



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-191	<b>Structure Name:</b>	G4-901	<b>Road Name:</b>	COBB SOUTH FSR	<b>Inspection Date:</b>	2012/07/24
<b>KM:</b>	4.20	<b>User km:</b>	4.20	<b>Crossing Name:</b>	Unknown	<b>Next Inspection Date:</b>	2014/07/24
<b>Project File ID #:</b>	10235	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated - Panels			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks	
<b>Total Length (metres):</b>	18.3	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	18.3
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	465636		<b>UTM Northing:</b>	5973017
<b>Inspector Name:</b>	Shane Gorezky			<b>Year Superstructure Installed:</b>	2006		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	light surface rust
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Poor	Concrete and logs, logs are completey rotten
<b>Road Surface</b>	Fair	

### DECK

**Span 1**

### Corporate Bridge Register (CBR)

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Page: 2 of 1182

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Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-191	<b>Structure Name:</b>	G4-901	<b>Road Name:</b>	COBB SOUTH FSR	<b>Inspection Date:</b>	2012/07/24
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<b>Curb Rail/Blocks/Posts</b>	Good	
<b>Deck to Girder Bolts</b>	Unrated	not rated on inspection
<b>Hardware</b>	Fair	some nuts are missing
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Fair	Replace rotten plans prior to industrial use
<b>Sub Deck</b>	Poor	8 - 9 planks are in poor condition due to rot
<b>Ties</b>	Fair	3 or 4 ties are getting soft spots where exposed

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	Damage to right abutment bracing from installation
<b>Girders</b>	Good	
<b>Hardware</b>	Unrated	Not rated on inspection
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	1.2
	<b>Estimated High Water Level Clearance:</b>	2.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	Yes	<b>Aggradation:</b>	No
	<b>Comment:</b>	Dead Pine logs laying under the bridge								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	1	Suggested	Medium	\$	Replace deck planks and cross ties as required prior to industrial use

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Need to confirm why comments state that bridge is G4-912 and if so is there a G4-901 bridge

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 3 of 1182

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Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-191	<b>Structure Name:</b>	G4-901	<b>Road Name:</b>	COBB SOUTH FSR	<b>Inspection Date:</b>	2012/07/24
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments					
	<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2021	<b>Estimated Replacement (year):</b>	2021		
<b>GENERAL</b>	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
<b>GENERAL</b>	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By Jason Olmsted on 2013/05/27 00:00:00			

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 4 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-180	Structure Name:	G4-180	Road Name:	BARLOW FSR	Inspection Date:	2022/06/06
KM:	23.90	User km:	23.90	Crossing Name:	Un-named Creek	Next Inspection Date:	2025/06/06
Project File ID #:	10653	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete Composite			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials	
Superstructure:	Steel I-beam				Right	Pile -Permanent Materials	
Total Length (metres):	12.2	# Spans:	1	Span Width:			Span Length(s) (metres): 12
UTM Zone:	10		UTM Easting:	402220		UTM Northing:	6005460
Inspector Name:	Warren Wilikinson			Year Superstructure Installed:	2006		
Access:							

### ABUTMENTS

Bearings	Fair	left side rubber bearing pads compressed to 1/2 thickness as compared to right side
Bracing	Good	only see top brace
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	caps
Fill	Good	
Hardware	Good	
Piles or Posts	Good	posts
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Poor	sharp corner left side, hill on right side
Brushing Required	No	
Delineator Missing Left (approaching structure)	1	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	91	
Road Surface	Fair	

### DECK

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 5 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-180	Structure Name:	G4-180	Road Name:	BARLOW FSR	Inspection Date:	2022/06/06
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### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Fair	one upstream curb timber rotted, mud guards installed both sides, plywood installed on top of downstream curbs usnd
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Unrated	concrete deck, no running surface

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Good	

CHANNEL	Estimated Present Water Level Depth:	0.3	Estimated Present Water Level Width:	2.0
	Estimated High Water Level Clearance:	1.0		

HAZARDS	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:	beaver dam 3m upstream								

REPAIRS	#	Status	Priority	Estimate	Description
	4	Required	High	\$	replace rotted curbs

MONITORS	#	Description

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Page: 6 of 1182

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Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-180	<b>Structure Name:</b>	G4-180	<b>Road Name:</b>	BARLOW FSR	<b>Inspection Date:</b>	2022/06/06
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2045		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/23 12:12:27			

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Page: 7 of 1182

## Permanent Bridge Inspection Report

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User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-181	<b>Structure Name:</b>	G4-181	<b>Road Name:</b>	BARLOW FSR	<b>Inspection Date:</b>	2022/06/02	
<b>KM:</b>	27.00	<b>User km:</b>	27.00	<b>Crossing Name:</b>	Un-named Creek	<b>Next Inspection Date:</b>	2025/06/02	
<b>Project File ID #:</b>	10653	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Concrete			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials		
<b>Total Length (metres):</b>	12.1	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	12
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	399328		<b>UTM Northing:</b>	6004168	
<b>Inspector Name:</b>	Warren Wilikinson			<b>Year Superstructure Installed:</b>	2005			
<b>Access:</b>	Travel up the Barlow FSR to 27 km to reach the bridge							

### ABUTMENTS

<b>Bearings</b>	Fair	compressed with uneven cap plates
<b>Bracing</b>	Good	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Fair	caps- plates are uneven/compression of pads
<b>Fill</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Piles or Posts</b>	Good	posts- caps on upstream are uneven
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	sharp corners r/s
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Fair	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	
<b>Road Surface</b>	Fair	

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Page: 8 of 1182

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Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-181	Structure Name:	G4-181	Road Name:	BARLOW FSR	Inspection Date:	2022/06/02
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	two upstream curbs rotted & broken
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	except where rotted bolts go through rotted curb
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Unrated	Concrete Deck

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.3	Estimated Present Water Level Width:	1.0
Estimated High Water Level Clearance:	2.0		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
2	Required	High	\$	replace rotted and damaged curbs

### MONITORS

#	Description

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Page: 9 of 1182

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Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-181	<b>Structure Name:</b>	G4-181	<b>Road Name:</b>	BARLOW FSR	<b>Inspection Date:</b>	2022/06/02
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	Replace rotten sections of guard rails. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2045		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/24 08:16:34			

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# BC Ministry of Forests, Lands, and Natural Resource Operations

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Page: 10 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-019	<b>Structure Name:</b>	G4-019	<b>Road Name:</b>	BARLOW FSR	<b>Inspection Date:</b>	2021/07/09
<b>KM:</b>	31.10	<b>User km:</b>	31.10	<b>Crossing Name:</b>	Tatsutnia Creek	<b>Next Inspection Date:</b>	2024/07/09
<b>Project File ID #:</b>	10653	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Not Available		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials	
<b>Total Length (metres):</b>	18.3	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	18.3
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	395491		<b>UTM Northing:</b>	6003141
<b>Inspector Name:</b>	Dawson Smith			<b>Year Superstructure Installed:</b>	2002		
<b>Access:</b>	Turn right at approx km 8 on the Sutherland FSR and travel about 1 km to the site. Or from highway 27 turn onto the Barlow FSR and travel to 31.1 km						

### ABUTMENTS

<b>Bearings</b>	Poor	Monitor bearing pads (Rate as GOOD. GZ) Rating is considered fair.
<b>Bracing</b>	Good	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	
<b>Road Surface</b>	Good	

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Page: 11 of 1182

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Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-019	Structure Name:	G4-019	Road Name:	BARLOW FSR	Inspection Date:	2021/07/09
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	1.0
Estimated High Water Level Clearance:	4.0		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
5	Required	Medium	\$ 500.00	Install 2 delineators

### MONITORS

#	Description
4	Monitor bearing pads

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Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-019	<b>Structure Name:</b>	G4-019	<b>Road Name:</b>	BARLOW FSR	<b>Inspection Date:</b>	2021/07/09
<b>GENERAL</b>	<b>Inspector's Comment:</b>	No significant issues. Bearing pads look good, no information on why they are rated poor. GZ					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Bearings appear stable. Bearing pads have minor deformation. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2052	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/01 17:10:38			

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Page: 13 of 1182

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User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-220	<b>Structure Name:</b>	G4-220	<b>Road Name:</b>	CRYSTAL	<b>Inspection Date:</b>	2023/09/06
<b>KM:</b>	0.10	<b>User km:</b>	0.10	<b>Crossing Name:</b>	Cabin Creek	<b>Next Inspection Date:</b>	2025/09/06
<b>Project File ID #:</b>	10660	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Crib, Log or Untreated Timber	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Crib, Log or Untreated Timber	
<b>Total Length (metres):</b>	12.1	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	12.1
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	409092		<b>UTM Northing:</b>	5941123
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>			
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Fair	bridge does not bear over stiffeners
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Fair	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Fair	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Log/Timber Cribs</b>	Fair	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Not Applicable	
<b>Tie-backs</b>	Not Applicable	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 14 of 1182

## Log Stringer Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-220	<b>Structure Name:</b>	G4-220	<b>Road Name:</b>	CRYSTAL	<b>Inspection Date:</b>	2023/09/06
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<b>Posted Load Rating (Enter 0 if sign missing)</b>	0
<b>Road Surface</b>	Fair

### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Good	
<b>Deck to Girder Bolts</b>	Fair	some clips missing. Clips should have spacer to make better contact with flanges
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Good	
<b>Running Planks</b>	Good	
<b>Sub Deck</b>	Unrated	N/A
<b>Ties</b>	Good	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	0.8		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	11	Required	Medium	\$	Replace log sills and reset structure over stiffeners.
12	Required	Low	\$	Upgrade deck clips with spacers	
13	Required	Medium	\$	Install load rating signs.	

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	The left bank upstream corner of this structure has settled and the bridge is lowest in that corner. There is conk on the sill logs and the bridge does not bear over the girder stiffeners. PEng should asses and assign a load rating. Should rebuild structure if required for more than light loading. Deck clips should also have spacer added so clip has flush contact with underside of flange. Delineator, brushing and fender realignment is complete from last inspection so can remove these items.

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 15 of 1182

## Log Stringer Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-220	<b>Structure Name:</b>	G4-220	<b>Road Name:</b>	CRYSTAL	<b>Inspection Date:</b>	2023/09/06
<b>GENERAL</b>	<b>PEng's Comment:</b>	Ok for now. Load rated in 2017 as L100 by DWB. Replace sill logs with treated timber. Pictures do not show sill condition. BH					
	<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2035	<b>Estimated Replacement (year):</b>			
<b>GENERAL</b>	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
<b>GENERAL</b>	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/10/31 15:30:29			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 16 of 1182

## Log Stringer Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-221	Structure Name:	G5-987	Road Name:	BLUEJAY	Inspection Date:	2023/09/06
KM:	0.53	User km:	0.53	Crossing Name:	Unnamed Stream	Next Inspection Date:	2025/09/06
Project File ID #:	10660	Br.	08	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel I-beam				Right	Concrete Lock Blocks	
Total Length (metres):	12.2	# Spans:	1	Span Width:			Span Length(s) (metres): 12.2
UTM Zone:	10		UTM Easting:	408808		UTM Northing:	5941707
Inspector Name:	SNT		Year Superstructure Installed:	2022			
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Fair	A bit low - allowing fine road material to erode around bridge end.
Concrete Lock Blocks	Fair	One lock block cracked on right bank under girder - slight bow in cap
Corrosion Protection	Good	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	0	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 17 of 1182

## Log Stringer Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-221	<b>Structure Name:</b>	G5-987	<b>Road Name:</b>	BLUEJAY	<b>Inspection Date:</b>	2023/09/06
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<b>Road Surface</b>	Fair	Fine textured soils
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### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Good	
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Good	
<b>Running Planks</b>	Good	
<b>Sub Deck</b>	Poor	No sub decking
<b>Ties</b>	Good	Two deck panels higher due to taller cross ties (12")

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.0	<b>Estimated Present Water Level Width:</b>	0.0
	<b>Estimated High Water Level Clearance:</b>	2.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	Creek dry at time of inspection								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	4	Required	Low	\$ 0.00	Add ballast log to top of ballast wall on each end to retain fill on approach.

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 18 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-221	Structure Name:	G5-987	Road Name:	BLUEJAY	Inspection Date:	2023/09/06
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<b>MONITORS</b>	#	Description
	1	Monitor settling of abutments and cap beam bowing.

<b>GENERAL</b>	Inspector's Comment:	Temporary bridge - One lock block is cracked and cap beam is bowed. Monitor for movement.
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<b>GENERAL</b>	PEng's Comment:	Bridge certified for temporary use. Light vehicle traffic only. BH
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<b>GENERAL</b>	Estimated Load Restriction (year):	2024	Estimated Replacement (year):			
	Current Inspection Load Rating:	5	Design Load GVW (tonnes):	68	Design Vehicle Config.:	L75
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2023/11/28 13:06:12		

### Corporate Bridge Register (CBR)

Disclaimer:  
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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 19 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-222	Structure Name:	G4-950	Road Name:	BLUEJAY	Inspection Date:	2023/09/05
KM:	2.00	User km:	2.00	Crossing Name:	Unnamed Stream	Next Inspection Date:	2025/09/05
Project File ID #:	10660	Br.	08	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel I-beam				Right	Concrete Lock Blocks	
Total Length (metres):	12.2	# Spans:	1	Span Width:			Span Length(s) (metres): 12.19
UTM Zone:	10		UTM Easting:	408930		UTM Northing:	5943164
Inspector Name:	John Brett			Year Superstructure Installed:			
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Concrete Lock Blocks	Good	
Corrosion Protection	Good	
Caps or Sills	Good	bit of a rough install with gravel under left bank cap but ok overall
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	vertical dip
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	0	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 20 of 1182

## Log Stringer Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-222	Structure Name:	G4-950	Road Name:	BLUEJAY	Inspection Date:	2023/09/05
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Road Surface	Fair	fine textured soil, slippery when saturated and washes onto bridge deck
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Fair	clips do not have spacers so do not sit flush under girder flange
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	one with a damaged end

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	1.0
	Estimated High Water Level Clearance:	2.0		

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

REPAIRS	#	Status	Priority	Estimate	Description
	1	Required	Low	\$	Install spacers in deck clips so they will sit flush under flanges

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 21 of 1182

## Log Stringer Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-222	Structure Name:	G4-950	Road Name:	BLUEJAY	Inspection Date:	2023/09/05
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MONITORS	#	Description				
GENERAL	Inspector's Comment:	Structure is adequate for a short term installation. Road surface is fine and prone to washing onto the deck of the structure. If required for longer use then spacers should be added to deck clips so they mount flush with the girders.				
GENERAL	PEng's Comment:	Temporary bridge with 5t load rating. Expected life 2 years. Install bridge load rating sign. BH				
GENERAL	Estimated Load Restriction (year):	2024	Estimated Replacement (year):			
	Current Inspection Load Rating:	5	Design Load GVW (tonnes):	64	Design Vehicle Config.:	BCL62
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2023/10/31 12:51:44		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 22 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-560	Structure Name:	G5-992	Road Name:	SUSCHONA	Inspection Date:	2021/09/22
KM:	0.70	User km:	0.70	Crossing Name:	unknown	Next Inspection Date:	2024/09/22
Project File ID #:	10797	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Treated - Panels			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Crib, Log or Untreated Timber	
Superstructure:	Steel I-beam				Right	Crib, Log or Untreated Timber	
Total Length (metres):	15.2	# Spans:	1	Span Width:		Span Length(s) (metres):	15.2
UTM Zone:	10		UTM Easting:	422026	UTM Northing:	6113836	
Inspector Name:	Dawson Smith			Year Superstructure Installed:	2013		
Access:							

### ABUTMENTS

Bearings	Fair	
Bracing	Not Applicable	
Ballast Wall	Fair	
Corrosion Protection	Not Applicable	
Caps or Sills	Fair	see pic
Fill	Good	
Hardware	Good	
Log/Timber Cribs	Fair	N/A. GZ
Piles or Posts	Not Applicable	
Riprap	Fair	
Tie-backs	Fair	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 23 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-560	Structure Name:	G5-992	Road Name:	SUSCHONA	Inspection Date:	2021/09/22
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Posted Load Rating (Enter 0 if sign missing)	91	
Road Surface	Good	

### DECK

Span 1		
Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

Span 1		
Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Not Applicable	

CHANNEL	Estimated Present Water Level Depth:	1.0	Estimated Present Water Level Width:	3.0
	Estimated High Water Level Clearance:	2.0		

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

REPAIRS	#	Status	Priority	Estimate	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 24 of 1182

## Log Stringer Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-560	Structure Name:	G5-992	Road Name:	SUSCHONA	Inspection Date:	2021/09/22
---------	--------	-----------------	--------	------------	----------	------------------	------------

MONITORS	#	Description				
GENERAL	Inspector's Comment:	Poor pics but no issues. GZ				
GENERAL	PEng's Comment:	No concerns. BH				
GENERAL	Estimated Load Restriction (year):	2025	Estimated Replacement (year):			
	Current Inspection Load Rating:	68	Design Load GVW (tonnes):	68	Design Vehicle Config.:	L75
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/02/10 16:47:10		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 25 of 1182

## Log Stringer Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-561	<b>Structure Name:</b>	G5-972	<b>Road Name:</b>	SUSCHONA	<b>Inspection Date:</b>	2023/09/02	
<b>KM:</b>	3.00	<b>User km:</b>	3.00	<b>Crossing Name:</b>	unknown	<b>Next Inspection Date:</b>	2025/09/02	
<b>Project File ID #:</b>	10797	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Treated - Panels			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Crib, Log or Untreated Timber		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Crib, Log or Untreated Timber		
<b>Total Length (metres):</b>	12.1	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	12.1
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	422884		<b>UTM Northing:</b>	6115916	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2013			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Log/Timber Cribs</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Tie-backs</b>	Not Applicable	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 26 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-561	Structure Name:	G5-972	Road Name:	SUSCHONA	Inspection Date:	2023/09/02
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Posted Load Rating (Enter 0 if sign missing)	0
Road Surface	Good

### DECK

<b>Span 1</b>	
Curb Rail/Blocks/Posts	Good
Deck to Girder Bolts	Good
Hardware	Good
Hand Rails/Walkouts	Not Applicable
Nails	Good
Overall Deck Condition	Good
Running Planks	Good
Sub Deck	Good
Ties	Good

### SUPERSTRUCTURE

<b>Span 1</b>	
Bracing	Good
Diaphragms	Good
Girders	Good
Hardware	Not Applicable
Under Trussing	Not Applicable

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	1.0
	Estimated High Water Level Clearance:	1.0		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

### Corporate Bridge Register (CBR)

Disclaimer:  
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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 27 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-561	Structure Name:	G5-972	Road Name:	SUSCHONA	Inspection Date:	2023/09/02
---------	--------	-----------------	--------	------------	----------	------------------	------------

<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	Curbs have been replaced since last inspection repair. Brushing and delineator maintenance has also been completed. Structure is in good shape overall. repair items can be removed from inspection form.				
	PEng's Comment:	Good. BH				
<b>GENERAL</b>	Estimated Load Restriction (year):	2025	Estimated Replacement (year):			
	Current Inspection Load Rating:	68	Design Load GVW (tonnes):	68	Design Vehicle Config.:	L75
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2023/11/10 14:14:37		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 28 of 1182

## Log Stringer Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-562	<b>Structure Name:</b>	G5-995	<b>Road Name:</b>	SUSCHONA	<b>Inspection Date:</b>	2023/09/06	
<b>KM:</b>	5.50	<b>User km:</b>	5.50	<b>Crossing Name:</b>	Unnamed	<b>Next Inspection Date:</b>	2025/09/06	
<b>Project File ID #:</b>	10797	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Crib, Log or Untreated Timber		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Crib, Log or Untreated Timber		
<b>Total Length (metres):</b>	9.1	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	9.1
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	424345		<b>UTM Northing:</b>	6117599	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2013			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	silty banks prone to scour
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Log/Timber Cribs</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Not Applicable	
<b>Tie-backs</b>	Not Applicable	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	1	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 29 of 1182

## Log Stringer Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-562	Structure Name:	G5-995	Road Name:	SUSCHONA	Inspection Date:	2023/09/06
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Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Fair	could use some coarse fill on approaches

### DECK

#### Span 1

Curb Rail/Blocks/Posts	Excellent	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Good	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	3.5
	Estimated High Water Level Clearance:	1.2		

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

REPAIRS	#	Status	Priority	Estimate	Description
	9	Required	Medium	\$	Add 2 truckloads of coarse material to each approach

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 30 of 1182

## Log Stringer Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-562	<b>Structure Name:</b>	G5-995	<b>Road Name:</b>	SUSCHONA	<b>Inspection Date:</b>	2023/09/06
<b>MONITORS</b>	#	Description					
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in good shape overall. There is scour on the right abutment. Photos of scour show similar conditions when comparing this inspection with the previous inspection. Progression of scour could compromise the stability of the log abutment. PEng to assess and recommend if any works are required. May require riprap, mud sills and/or lengthening of the structure.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Scour has not progressed significantly. Add rip rap on both side to prevent further erosion. Otherwise good. If scouring continues the bridge may be downrated. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2028	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	68	<b>Design Load GVW (tonnes):</b>	68	<b>Design Vehicle Config.:</b>	L75	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/10 14:23:38			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 31 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G1-000	Structure Name:	G1-000	Road Name:	BOBTAIL	Inspection Date:	2022/08/05
KM:	12.27	User km:	12.27	Crossing Name:	Hwy 16	Next Inspection Date:	2025/08/05
Project File ID #:	1771	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Asphalt		
Curb Type:				Abutments (looking downstream)	Left	Concrete Cast in Place	
Superstructure:	Steel Box Beam				Right	Concrete Cast in Place	
Total Length (metres):	48.8	# Spans:	1	Span Width:			Span Length(s) (metres): 48.8
UTM Zone:	10		UTM Easting:	472592		UTM Northing:	5970853
Inspector Name:	Kody Pepper			Year Superstructure Installed:	2009		
Access:							

### ABUTMENTS

Bearings	Good	South abutment bearing rotation of 10mm noted
Bracing	Not Applicable	
Ballast Wall	Fair	South abutment old repair between the girders is spalling. North abutment the ballast wall is spalling between the girders and by girder 1
Concrete Cast in Place	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Not Applicable	
Wing Wall	Fair	Erosion at the end of the north approach East wing wall. Damage to the north approach west wing wall and rebar is exposed.

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 32 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G1-000	<b>Structure Name:</b>	G1-000	<b>Road Name:</b>	BOBTAIL	<b>Inspection Date:</b>	2022/08/05
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<b>Road Surface</b>	Good	
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### DECK

#### Span 1

<b>Concrete Deck</b>	Good	As viewed from underside
<b>Curb Rail/Blocks/Posts</b>	Good	
<b>Deck Joints</b>	Good	
<b>Grout Pockets</b>	Unrated	Can not see due to asphalt running surface
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Good	
<b>Overall Deck Condition</b>	Good	
<b>Running Surface</b>	Good	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Not Applicable	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.0	<b>Estimated Present Water Level Width:</b>	0.0
	<b>Estimated High Water Level Clearance:</b>	0.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	Highway crossing. Erosion noted on south approach east side shoulder, north approach west side shoulder and north approach east side shoulder at the end of the wingwall								

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	8	Required	Low	\$ 0.00	Repair spalling on both abutment ballast walls
9	Required	Low		Repair north west wing wall spalling	
10	Required	Low	\$ 0.00	Repair south approach east shoulder erosion, north approach west shoulder erosion, and north approach east side erosion at the end of the wing wall	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 33 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G1-000	<b>Structure Name:</b>	G1-000	<b>Road Name:</b>	BOBTAIL	<b>Inspection Date:</b>	2022/08/05
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<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	1	Monitor lean on the south abutment bearing to the ballast wall

<b>GENERAL</b>	<b>Inspector's Comment:</b>	South approach is Left abutment, North approach is Right abutment, West is Downstream, East is Upstream. 10m running width
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<b>GENERAL</b>	<b>PEng's Comment:</b>	See repair/monitoring items. No major issues based on the inspection record.
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2058	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Sey Choi on 2023/01/18 14:36:51		

### Corporate Bridge Register (CBR)

Disclaimer:  
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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 34 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-001	Structure Name:	G4-001	Road Name:	BOBTAIL	Inspection Date:	2002/07/23
KM:	20.60	User km:	20.60	Crossing Name:	Unnamed creek	Next Inspection Date:	2030/01/01
Project File ID #:	1771	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	500			Outlet Cover (mm):	500		
Footing Type:				Gradient (%):	1.0		
Culvert Length (metres):	18.0	Opening Height (mm):	1,800	Opening Width (mm):	1,800		
UTM Zone:	10	UTM Easting:	465646	UTM Northing:	5968464		
Inspector Name:	Tim Silbernagel			Year Superstructure Installed:	1980		
Access:							

### APPROACHES

Bridge Ahead Signs Missing	2	No Comment Available -Converter.RNI
Delineator Missing Left (approaching structure)	2	No Comment Available -Converter.RNI
Delineator Missing Right (approaching structure)	2	No Comment Available -Converter.RNI
Posted Load Rating (Enter 0 if sign missing)	0.0	No Comment Available -Converter.RNI
Road Surface	Good	No Comment Available -Converter.RNI

### CULVERT ELEMENT

Coupled Connections	Good	No Comment Available -Converter.RNI
Coating	Fair	No Comment Available -Converter.RNI
Fill	Good	No Comment Available -Converter.RNI
Floor	Good	No Comment Available -Converter.RNI
Inlet	Good	No Comment Available -Converter.RNI
Outlet	Fair	No Comment Available -Converter.RNI
Riprap	Fair	No Comment Available -Converter.RNI
Roof	Good	No Comment Available -Converter.RNI
Side Walls	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 35 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-001	<b>Structure Name:</b>	G4-001	<b>Road Name:</b>	BOBTAIL	<b>Inspection Date:</b>	2002/07/23
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>			
	<b>Estimated High Water Level Clearance:</b>			1.2			
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b> Yes
	<b>Aggradation:</b>	No	<b>Comment:</b>				
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>		
	1	Suggested	Medium	\$ 0.00	Span: 1.0. Debris removal. remove debris from outlet.		
<b>MONITORS</b>	<b>#</b>	<b>Description</b>					
	1	Monitor for continued beaver activity. (no beaver problems at inlet but beaver debris collected at outlet TS2002)					
<b>GENERAL</b>	<b>Inspector's Comment:</b>	nullCulvert: 2) debris build-up at outlet - remove.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2025	<b>Estimated Replacement (year):</b>		
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By IDIR\RMGETZLA on 2012/04/12 16:18:45			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 36 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-002	Structure Name:	G4-002	Road Name:	BOBTAIL	Inspection Date:	2002/07/23
KM:	22.70	User km:	22.70	Crossing Name:	Norman Creek	Next Inspection Date:	2030/01/01
Project File ID #:	1771	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	3,000			Outlet Cover (mm):	3,000		
Footing Type:				Gradient (%):			
Culvert Length (metres):	15.0	Opening Height (mm):	1,800	Opening Width (mm):	1,800		
UTM Zone:	10	UTM Easting:	463818	UTM Northing:	5967403		
Inspector Name:	Tim Silbernagel			Year Superstructure Installed:	1970		
Access:							

### APPROACHES

Bridge Ahead Signs Missing	2	No Comment Available -Converter.RNI
Delineator Missing Left (approaching structure)	2	No Comment Available -Converter.RNI
Delineator Missing Right (approaching structure)	2	No Comment Available -Converter.RNI
Posted Load Rating (Enter 0 if sign missing)	0.0	No Comment Available -Converter.RNI
Road Surface	Good	No Comment Available -Converter.RNI

### CULVERT ELEMENT

Coupled Connections	Good	No Comment Available -Converter.RNI
Coating	Good	No Comment Available -Converter.RNI
Fill	Good	No Comment Available -Converter.RNI
Floor	Good	No Comment Available -Converter.RNI
Inlet	Poor	No Comment Available -Converter.RNI
Outlet	Good	No Comment Available -Converter.RNI
Riprap	Fair	No Comment Available -Converter.RNI
Roof	Good	No Comment Available -Converter.RNI
Side Walls	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 37 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-002	<b>Structure Name:</b>	G4-002	<b>Road Name:</b>	BOBTAIL	<b>Inspection Date:</b>	2002/07/23			
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>						
	<b>Estimated High Water Level Clearance:</b>			0.0						
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	Yes	<b>Aggradation:</b>	No
	<b>Comment:</b>									
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>					
	3	Suggested	High	\$ 0.00	Span: 1.0. Remove Beaver Dam. Inlet fully plugged - remove.					
<b>MONITORS</b>	<b>#</b>	<b>Description</b>								
	1	MONITOR BEAVER DAM AT INLET. (inlet fully plugged TS2002)								
<b>GENERAL</b>	<b>Inspector's Comment:</b>	nullCulvert: 1) 95% blocked by beaver dam 4-7) hard to see inside - beaver dams 14) has been repaired with gravel.								
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments								
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2020	<b>Estimated Replacement (year):</b>					
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>		L100	
	<b>Professional Inspection Required?</b>		No	<b>Report Status:</b>		Accepted By IDIR\RMGETZLA on 2012/04/12 16:19:48				

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 38 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-003	<b>Structure Name:</b>	G4-003A	<b>Road Name:</b>	BOBTAIL	<b>Inspection Date:</b>	2022/10/19	
<b>KM:</b>	30.90	<b>User km:</b>	30.90	<b>Crossing Name:</b>	Cluculz Creek	<b>Next Inspection Date:</b>	2025/10/19	
<b>Project File ID #:</b>	1771	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Concrete			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials		
<b>Total Length (metres):</b>	18.3	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	18.3
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	456366		<b>UTM Northing:</b>	5964805	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2008			
<b>Access:</b>	Water level monitoring equipment installed on girders August 31 2022 by Alex Bevington. (Regional Ops. Div.) Also on ground monitoring equipment installed previously near right side abutment.							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Good	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	
<b>Road Surface</b>	Excellent	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 39 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-003	Structure Name:	G4-003A	Road Name:	BOBTAIL	Inspection Date:	2022/10/19
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	soft, rot, some damage
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	3.4
	Estimated High Water Level Clearance:	1.5		

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

REPAIRS	#	Status	Priority	Estimate	Description
	1	Required	Medium	\$	Replace rotting Guardrails

MONITORS	#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 40 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-003	<b>Structure Name:</b>	G4-003A	<b>Road Name:</b>	BOBTAIL	<b>Inspection Date:</b>	2022/10/19
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall. Guardrails are damaged in spots and soft overall with rot pockets throughout. Should replace guardrails.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Bridge ok. Guard rails rotting but still intact. Replace rotten sections. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2058		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/08 12:12:37			

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 41 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-010	Structure Name:	G4-010	Road Name:	BOBTAIL	Inspection Date:	2022/10/20	
KM:	44.10	User km:	44.10	Crossing Name:	Cluculz Creek	Next Inspection Date:	2025/10/20	
Project File ID #:	1771	Br.	01	Forest District:	Stuart Nechako Natural Resource District			
Deck Type:	Concrete			Running Surface:	Concrete			
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials		
Superstructure:	Steel I-beam				Right	Pile -Permanent Materials		
Total Length (metres):	9.0	# Spans:	1	Span Width:			Span Length(s) (metres):	9
UTM Zone:	10		UTM Easting:	450289		UTM Northing:	5955053	
Inspector Name:	John Brett			Year Superstructure Installed:	1989			
Access:								

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Fair	spalling on ballast wall concrete
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Fair	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	2	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Fair	hit and damaged, needs to be realigned
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Fair	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 42 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-010	Structure Name:	G4-010	Road Name:	BOBTAIL	Inspection Date:	2022/10/20
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### DECK

#### Span 1

Concrete Deck	Fair	
Curb Rail/Blocks/Posts	Poor	replace
Deck Joints	Poor	some missing entirely, others missing grout sections
Grout Pockets	Good	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Fair	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Not Applicable	
Diaphragms	Unrated	N/A
Girders	Good	
Hardware	Not Applicable	
Under Trussing	Not Applicable	

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	3.0
	Estimated High Water Level Clearance:	1.1		

HAZARDS	High Water:	No	Scour:	No	Ice:	No	Debris:	Yes	Aggradation:	No
	Comment:	beaver activity, small dam currently in place								

### REPAIRS

#	Status	Priority	Estimate	Description
4	Required	Low	\$	Remove beaver dam
5	Required	Low	\$	Clean gravel from deck
6	Required	Low	\$	Re-align fenders
7	Required	Medium	\$	Assess and replace grouted deck joints
8	Required	Medium	\$	Replace guardrails

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 43 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-010	Structure Name:	G4-010	Road Name:	BOBTAIL	Inspection Date:	2022/10/20
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MONITORS	#	Description

  

GENERAL	Inspector's Comment:	Structure is in fair shape overall and requires maintenance. The guardrails are damaged and should be replaced. There is no grout in some of the deck joints and others appear to be losing grout sections. Should review structural to confirm this adheres to the design, if not then deck joints should be regouted. there is a small beaver dam currently in place at the outlet. If it grows in size it should be removed. the fenders have been hit and damaged superficially. Should be realigned.
	GENERAL	PEng's Comment:

  

GENERAL	Estimated Load Restriction (year):		2029	Estimated Replacement (year):		
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/12/08 12:19:25		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 44 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-009	<b>Structure Name:</b>	G4-009-1	<b>Road Name:</b>	BOBTAIL	<b>Inspection Date:</b>	2022/10/19
<b>KM:</b>	66.50	<b>User km:</b>	66.50	<b>Crossing Name:</b>	44 Mile Creek	<b>Next Inspection Date:</b>	2025/10/19
<b>Project File ID #:</b>	1771	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	2,000			<b>Outlet Cover (mm):</b>	2,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	21.0	<b>Opening Height (mm):</b>	2,000	<b>Opening Width (mm):</b>	2,000		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	434491	<b>UTM Northing:</b>	5944268		
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1997		
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Excellent	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	surface rust on floor
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Good	bit of material erosion underneath lock block on headwall, see pics and monitor

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 45 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-009	<b>Structure Name:</b>	G4-009-1	<b>Road Name:</b>	BOBTAIL	<b>Inspection Date:</b>	2022/10/19
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	3.0
	<b>Estimated High Water Level Clearance:</b>	0.6		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	Beavers active in the area, bit of debris at inlet.								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Lock block on the inlet headwall has minor amount of materail erosion from underneath. See pics and monitor during future inspections.

<b>GENERAL</b>	<b>PEng's Comment:</b>	ok. BH
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### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 46 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-009	<b>Structure Name:</b>	G4-009-1	<b>Road Name:</b>	BOBTAIL	<b>Inspection Date:</b>	2022/10/19
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2046	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/08 08:23:09			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 47 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-009	<b>Structure Name:</b>	G4-009	<b>Road Name:</b>	BOBTAIL	<b>Inspection Date:</b>	2022/10/20
<b>KM:</b>	66.50	<b>User km:</b>	66.50	<b>Crossing Name:</b>	44 Mile Creek	<b>Next Inspection Date:</b>	2025/10/20
<b>Project File ID #:</b>	1771	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	2,000			<b>Outlet Cover (mm):</b>	2,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	21.0	<b>Opening Height (mm):</b>	2,000	<b>Opening Width (mm):</b>	2,000		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	434491	<b>UTM Northing:</b>	5944268		
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1997		
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Excellent	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	surface rust on floor
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 48 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-009	<b>Structure Name:</b>	G4-009	<b>Road Name:</b>	BOBTAIL	<b>Inspection Date:</b>	2022/10/20
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	3.0
	<b>Estimated High Water Level Clearance:</b>	0.6		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	Yes	<b>Aggradation:</b>	No
	<b>Comment:</b>	Beavers active in area. minor amount of debris noted at culvert inlet								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Minor amount of erosion under lock block on inlet headwall. If progresses then should add a monitor item. Structure is in good shape overall. Some minor signs of beaver activity in the area but nothing that will adversely affect the structure.

<b>GENERAL</b>	<b>PEng's Comment:</b>	Culvert is good shape. BH

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 49 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-009	<b>Structure Name:</b>	G4-009	<b>Road Name:</b>	BOBTAIL	<b>Inspection Date:</b>	2022/10/20
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2046	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/08 12:18:41			

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 50 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-171	Structure Name:	G4-171	Road Name:	BOBTAIL	Inspection Date:	2021/09/16
KM:	74.20	User km:	74.20	Crossing Name:	Unknown	Next Inspection Date:	2024/09/16
Project File ID #:	1771	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials	
Superstructure:	Concrete Slab Girders				Right	Pile -Permanent Materials	
Total Length (metres):	8.0	# Spans:	1	Span Width:		Span Length(s) (metres):	8
UTM Zone:	10	UTM Easting:	427338	UTM Northing:	5941665		
Inspector Name:	Dustin Anderberg			Year Superstructure Installed:			
Access:							

### ABUTMENTS

Bearings	Not Applicable	
Bracing	Not Applicable	
Ballast Wall	Good	
Caps or Sills	Fair	Slightly chipped on HC
Fill	Fair	Slightly undermined on LC
Hardware	Not Applicable	
Piles or Posts	Unrated	Not visible
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	1	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Fair	Functional but slightly damaged
Road Surface	Good	

### DECK

#### Span 1

Concrete Deck	Fair	Slightly gouged
Curb Rail/Blocks/Posts	Poor	Both sides rotten

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 51 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-171	<b>Structure Name:</b>	G4-171	<b>Road Name:</b>	BOBTAIL	<b>Inspection Date:</b>	2021/09/16
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<b>Deck Joints</b>	Not Applicable	
<b>Grout Pockets</b>	Not Applicable	
<b>Grout Pockets</b>	Not Applicable	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Overall Deck Condition</b>	Good	
<b>Running Surface</b>	Fair	Slightly gouged

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Not Applicable	
<b>Hardware</b>	Not Applicable	
<b>Welded/grouted shear connectors</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.0	<b>Estimated Present Water Level Width:</b>	0.8
	<b>Estimated High Water Level Clearance:</b>	1.4		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	7	Complete	Medium	\$ 1.00	Replace rotten sections of curbs.
8	Complete	Low	\$ 0.00	Install 1 delineator	

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Stream channel heavily brushed in.
----------------	-----------------------------	------------------------------------

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 52 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-171	<b>Structure Name:</b>	G4-171	<b>Road Name:</b>	BOBTAIL	<b>Inspection Date:</b>	2021/09/16
<b>GENERAL</b>	<b>PEng's Comment:</b>	No major concerns. BH					
	<b>Estimated Load Restriction (year):</b>	2025		<b>Estimated Replacement (year):</b>			
<b>GENERAL</b>	<b>Current Inspection Load Rating:</b>	64	<b>Design Load GVW (tonnes):</b>			<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/02 14:55:40			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 53 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-172	Structure Name:	G4-172	Road Name:	BOBTAIL	Inspection Date:	2021/09/16
KM:	75.60	User km:	75.60	Crossing Name:	Unknown	Next Inspection Date:	2024/09/16
Project File ID #:	1771	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Steel Pipe and Precast Pad	
Superstructure:	Steel I-beam				Right	Steel Pipe and Precast Pad	
Total Length (metres):	12.0	# Spans:	1	Span Width:			Span Length(s) (metres): 12
UTM Zone:	10		UTM Easting:	426049		UTM Northing:	5941262
Inspector Name:	Dustin Anderberg			Year Superstructure Installed:			
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Good	
Ballast Wall	Good	
Corrosion Protection	Good	
Caps or Sills	Unrated	N/A
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Poor	Replace LC fender, Broken
Posted Load Rating (Enter 0 if sign missing)	91	
Road Surface	Good	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 54 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-172	Structure Name:	G4-172	Road Name:	BOBTAIL	Inspection Date:	2021/09/16
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### DECK

#### Span 1

Concrete Deck	Fair	Gouged from Machinery
Curb Rail/Blocks/Posts	Poor	Both sides and risers rotten
Deck Joints	Fair	
Grout Pockets	Fair	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Fair	
Running Surface	Fair	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.0	Estimated Present Water Level Width:	2.3
	Estimated High Water Level Clearance:	2.4		

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

REPAIRS	#	Status	Priority	Estimate	Description
	5	Required	Medium		Brush around bridge
	6	Complete	High	\$ 0.00	Replace curbs and risers.

MONITORS	#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 55 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-172	<b>Structure Name:</b>	G4-172	<b>Road Name:</b>	BOBTAIL	<b>Inspection Date:</b>	2021/09/16
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Stream heavily brushed in. Curbs need to be replaced, rotten and non-functional. DA					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Bridge to be downrated 0 tonnes due to rotten and missing curbs. Repairs to be done as soon as feasible. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2035		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	0	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/24 16:04:22			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 56 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-173	Structure Name:	G4-173	Road Name:	BOBTAIL	Inspection Date:	2021/09/16	
KM:	77.30	User km:	77.30	Crossing Name:	Unknown	Next Inspection Date:	2024/09/16	
Project File ID #:	1771	Br.	01	Forest District:	Stuart Nechako Natural Resource District			
Deck Type:	Concrete			Running Surface:	Concrete			
Curb Type:				Abutments (looking downstream)	Left	Steel Pipe and Precast Pad		
Superstructure:	Steel I-beam				Right	Steel Pipe and Precast Pad		
Total Length (metres):	18.0	# Spans:	1	Span Width:			Span Length(s) (metres):	18
UTM Zone:	10		UTM Easting:	424604		UTM Northing:	5940534	
Inspector Name:	Dustin Anderberg			Year Superstructure Installed:				
Access:								

### ABUTMENTS

Bearings	Fair	Expanded on one side tight on the other
Bracing	Good	
Ballast Wall	Fair	Slight cracking on LC steel plate
Corrosion Protection	Fair	
Caps or Sills	Unrated	N/A
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Fair	Cracking in sections
Road Surface	Good	

### DECK

#### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 57 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-173	Structure Name:	G4-173	Road Name:	BOBTAIL	Inspection Date:	2021/09/16
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### Span 1

Concrete Deck	Fair	Gouged and dirty
Curb Rail/Blocks/Posts	Poor	Rotten and infested with insects
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Fair	
Running Surface	Fair	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:		Estimated Present Water Level Width:	
	Estimated High Water Level Clearance:			

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

REPAIRS	#	Status	Priority	Estimate	Description
	4	Required	Medium	\$ 0.00	Brush around bridge
	5	Complete	High	\$ 0.00	Curbs and risers rotten and needs replacing
	6	Required	Medium		Clean deck to maintain functionality and visual inspections

MONITORS	#	Description
	3	Bearings for expansion and compression
	4	Cracked ballast wall concrete on steel plate connections

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 58 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-173	<b>Structure Name:</b>	G4-173	<b>Road Name:</b>	BOBTAIL	<b>Inspection Date:</b>	2021/09/16
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Curbs need to be replaced, completely rotten and unfunctional. DA					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Rotten curbs need replacement. Bridge could be downrated at any time if curbs deteriorate further. Complete high priority repair items. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2035		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/24 16:32:15			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 59 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-174	Structure Name:	G4-174	Road Name:	BOBTAIL	Inspection Date:	2021/06/13
KM:	78.90	User km:	78.90	Crossing Name:	Unknown	Next Inspection Date:	2024/06/13
Project File ID #:	1771	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Steel Pipe and Precast Pad	
Superstructure:	Steel I-beam				Right	Steel Pipe and Precast Pad	
Total Length (metres):	18.0	# Spans:	1	Span Width:			Span Length(s) (metres): 18
UTM Zone:	10		UTM Easting:	423134		UTM Northing:	5940097
Inspector Name:	Dawson Smith			Year Superstructure Installed:			
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Good	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Poor	damaged and out of palce
Posted Load Rating (Enter 0 if sign missing)	91	
Road Surface	Fair	needs capping

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 60 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-174	Structure Name:	G4-174	Road Name:	BOBTAIL	Inspection Date:	2021/06/13
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Fair	considerable decay (Rate as POOR GZ)
Deck Joints	Excellent	
Grout Pockets	Good	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Fair	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.5	Estimated Present Water Level Width:	2.0
	Estimated High Water Level Clearance:	4.0		

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

REPAIRS	#	Status	Priority	Estimate	Description
	3	Required	Medium	\$	Reposition and attach loose barrier components.
	4	Required	High	\$	Full curb and riser replacement.
	5	Required	Medium	\$	Grade approaches.
	6	Required	Medium	\$ 0.00	Remove larger brush as required.

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 61 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-174	<b>Structure Name:</b>	G4-174	<b>Road Name:</b>	BOBTAIL	<b>Inspection Date:</b>	2021/06/13
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<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	2	monitor guradrails and riser blocks

<b>GENERAL</b>	<b>Inspector's Comment:</b>	needs brushing and trees cut down, approaches capped and has significant guardrail decay Consider load restrictions.GZ
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Curbs have significant rot and damage. May be downrated at any time due to condition of curbs. Complete repairs as soon as possible. BH
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2035	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/03 13:37:01		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 62 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-175	Structure Name:	G4-175	Road Name:	BOBTAIL	Inspection Date:	2021/09/16
KM:	79.90	User km:	79.90	Crossing Name:	Unknown	Next Inspection Date:	2024/09/16
Project File ID #:	1771	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Steel Pipe and Precast Pad	
Superstructure:	Steel I-beam				Right	Steel Pipe and Precast Pad	
Total Length (metres):	30.0	# Spans:	1	Span Width:			Span Length(s) (metres): 30
UTM Zone:	10		UTM Easting:	421843		UTM Northing:	5939883
Inspector Name:	Dustin Anderberg			Year Superstructure Installed:			
Access:							

### ABUTMENTS

Bearings	Fair	Expanded on LC compressed on High
Bracing	Good	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	1	
Fender Condition	Fair	Broken and cracked
Posted Load Rating (Enter 0 if sign missing)	91	
Road Surface	Fair	Large pot hole on LC

### DECK

#### Span 1

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 63 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-175	<b>Structure Name:</b>	G4-175	<b>Road Name:</b>	BOBTAIL	<b>Inspection Date:</b>	2021/09/16
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<b>Concrete Deck</b>	Good	Gouged from machinery
<b>Curb Rail/Blocks/Posts</b>	Poor	Rotten and non functional
<b>Deck Joints</b>	Good	
<b>Grout Pockets</b>	Good	
<b>Hardware</b>	Poor	Bolts pulled out on LC
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Overall Deck Condition</b>	Fair	
<b>Running Surface</b>	Fair	Gouged from machinery

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.3	<b>Estimated Present Water Level Width:</b>	5.0
	<b>Estimated High Water Level Clearance:</b>	8.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	6	Required	High	\$ 1.00	Replace curbs rotten and non functional
	7	Required	Medium	\$ 1.00	Fenders are broken and need replacing
	8	Required	Medium	\$ 1.00	Concrete broken riser connector under HC down stream riser panel 10
	9	Required	Low		Install 1 delineator
	10	Required	Medium		Grade approaches .
	11	Required	Medium		Remove debris from deck surface.

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 64 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-175	<b>Structure Name:</b>	G4-175	<b>Road Name:</b>	BOBTAIL	<b>Inspection Date:</b>	2021/09/16
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<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	3	Bearings expanded on LC and compressed on HC
	4	Pot holing on road surface

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Full curb and riser replacement due to rot. DA
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Replace curbs and risers. BH
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2035	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/04 11:37:11		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 65 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-176	Structure Name:	G4-176	Road Name:	BOBTAIL	Inspection Date:	2021/09/16
KM:	90.50	User km:	90.50	Crossing Name:	Unknown	Next Inspection Date:	2024/09/16
Project File ID #:	1771	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Steel Pipe and Precast Pad	
Superstructure:	Steel I-beam				Right	Steel Pipe and Precast Pad	
Total Length (metres):	15.0	# Spans:	1	Span Width:			Span Length(s) (metres): 15
UTM Zone:	10		UTM Easting:	410717		UTM Northing:	5940434
Inspector Name:	Dustin Anderberg			Year Superstructure Installed:			
Access:							

### ABUTMENTS

Bearings	Fair	Left bank compressed right bank expanded
Bracing	Good	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Unrated	N/A
Fill	Good	
Hardware	Not Applicable	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	1	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Fair	Reposition
Posted Load Rating (Enter 0 if sign missing)	91	
Road Surface	Fair	Pot holing on both approaches

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 66 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-176	Structure Name:	G4-176	Road Name:	BOBTAIL	Inspection Date:	2021/09/16
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	Rotten and need replacing
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Fair	
Running Surface	Fair	Pot holing on both approaches

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.3	Estimated Present Water Level Width:	1.5
	Estimated High Water Level Clearance:	3.0		

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

REPAIRS	#	Status	Priority	Estimate	Description
	6	Required	Medium	\$ 0.00	Add missing delineator
	7	Required	High	\$ 0.00	Full curb replacement.
	8	Required	Medium	\$ 0.00	Re-align approach fenders.

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 67 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-176	Structure Name:	G4-176	Road Name:	BOBTAIL	Inspection Date:	2021/09/16
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	Heavily brushed in channel. Needs full curb replacement, rotten and non-functional. DA				
	PEng's Comment:	Downrate bridge to 5 tonnes due to rotten curbs and risers. Replace as soon as feasible. BH				
<b>GENERAL</b>	Estimated Load Restriction (year):	2046	Estimated Replacement (year):			
	Current Inspection Load Rating:	5	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/02/24 16:21:49		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 68 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G1-030	<b>Structure Name:</b>	G1-030	<b>Road Name:</b>	BOBTAIL	<b>Inspection Date:</b>	2023/09/15	
<b>KM:</b>	77.90	<b>User km:</b>	210.90	<b>Crossing Name:</b>	Chilako River	<b>Next Inspection Date:</b>	2026/09/15	
<b>Project File ID #:</b>	1771	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials		
<b>Total Length (metres):</b>	21.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	21
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	463629		<b>UTM Northing:</b>	5928549	
<b>Inspector Name:</b>	Brian Peeters			<b>Year Superstructure Installed:</b>	1986			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Poor	Left bank pile cap rotating, steel rocker bearing susceptible to additional movement
<b>Bracing</b>	Fair	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Poor	mininal creosote remaining
<b>Caps or Sills</b>	Poor	Left bank pile cap rotating and settling
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Poor	Left bank piling sounding hollow at base, drilled & soft at base.
<b>Riprap</b>	Not Applicable	
<b>Wing Wall</b>	Fair	soft at bases near water, left bank P2,3,4 leaning towards creek.

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	minor brush
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Road Surface</b>	Good	

### DECK

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 69 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G1-030	<b>Structure Name:</b>	G1-030	<b>Road Name:</b>	BOBTAIL	<b>Inspection Date:</b>	2023/09/15
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### Span 1

<b>Curb Rail/Blocks/Posts</b>	Good	
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Good	
<b>Running Planks</b>	Good	
<b>Sub Deck</b>	Fair	
<b>Ties</b>	Fair	majority of ties have significant checks and weathering

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

#### CHANNEL

<b>Estimated Present Water Level Depth:</b>		<b>Estimated Present Water Level Width:</b>	
<b>Estimated High Water Level Clearance:</b>			

#### HAZARDS

<b>High Water:</b>	No	<b>Scour:</b>	Yes	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
<b>Comment:</b>	minor scour along fine grain soil banks								

#### REPAIRS

#	Status	Priority	Estimate	Description
10	Required	Low	\$ 0.00	Minor brushing required.
11	Required	Low	\$ 0.00	Re-install approach fenders left side upstream.
12	Required	Low	\$ 0.00	Install bridge ahead signs both sides.

#### MONITORS

#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 70 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G1-030	<b>Structure Name:</b>	G1-030	<b>Road Name:</b>	BOBTAIL	<b>Inspection Date:</b>	2023/09/15
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Close proximity inspection completed. The bridge is generally good/fair conditions. Abutment piles are in fair/poor condition and need to be monitored. Abutments are accessible at low flows. Recommend maintain 91-tonnes GVW and reassess in 2026					
<b>GENERAL</b>	<b>PEng's Comment:</b>	See CP inspection report in file. Minor repairs needed. Nearing end of service life. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2026		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/20 11:34:23			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 71 of 1182

## Log Stringer Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-012	Structure Name:	G4-012	Road Name:	OTTER	Inspection Date:	2022/10/20
KM:	22.00	User km:	5.60	Crossing Name:	Falls Creek	Next Inspection Date:	2024/10/20
Project File ID #:	1771	Br.	03	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Crib, Log or Untreated Timber	
Superstructure:	Steel I-beam				Right	Crib, Log or Untreated Timber	
Total Length (metres):	9.0	# Spans:	1	Span Width:			Span Length(s) (metres): 9
UTM Zone:	10	UTM Easting:	429437	UTM Northing:	5930587		
Inspector Name:	John Brett		Year Superstructure Installed:	1995			
Access:	Structure burned in Finger Lake 2023 fire. Bridge closed Oct 10, 2023						

### ABUTMENTS

Bearings	Fair	
Bracing	Not Applicable	
Ballast Wall	Fair	
Corrosion Protection	Not Applicable	
Caps or Sills	Fair	
Fill	Good	
Hardware	Not Applicable	
Log/Timber Cribs	Fair	pockets of rot
Piles or Posts	Not Applicable	
Riprap	Good	
Tie-backs	Fair	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Poor	logs are rotten

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 72 of 1182

## Log Stringer Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-012	Structure Name:	G4-012	Road Name:	OTTER	Inspection Date:	2022/10/20
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Posted Load Rating (Enter 0 if sign missing)	54	
Road Surface	Fair	

### DECK

#### Span 1

Curb Rail/Blocks/Posts	Poor	damaged / rotten
Deck to Girder Bolts	Good	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Nails	Fair	
Overall Deck Condition	Fair	
Running Planks	Fair	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	2.0
	Estimated High Water Level Clearance:	2.5		

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

REPAIRS	#	Status	Priority	Estimate	Description
	5	Required	High	\$	Replace both log cribs substructure before industrial use.
	6	Required	Low		Install new approach fenders

### Corporate Bridge Register (CBR)

Disclaimer:  
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 73 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-012	<b>Structure Name:</b>	G4-012	<b>Road Name:</b>	OTTER	<b>Inspection Date:</b>	2022/10/20
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Log cribs are continuing to deteriorate. Should be assessed by PEng and reduce load rating if required. Structure will require replacement for industrial use.				
	<b>PEng's Comment:</b>	Bridge downrated to 10 tonnes due to deteriorating log cribbing and sills. Replace abutments and curb/rails prior to industrial use. BH				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2024	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	10	<b>Design Load GVW (tonnes):</b>	54	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/08 12:21:24		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 74 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-008	Structure Name:	G4-008	Road Name:	OTTER	Inspection Date:	2022/10/19
KM:	15.00	User km:	15.00	Crossing Name:	Meadow Creek	Next Inspection Date:	2025/10/19
Project File ID #:	1771	Br.	03	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials	
Superstructure:	Steel I-beam				Right	Steel Pipe and Precast Pad	
Total Length (metres):	12.2	# Spans:	1	Span Width:			Span Length(s) (metres): 12.2
UTM Zone:	10		UTM Easting:	435566		UTM Northing:	5931683
Inspector Name:	John Brett			Year Superstructure Installed:	1995		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	1	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Fair	potholes

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 75 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-008	Structure Name:	G4-008	Road Name:	OTTER	Inspection Date:	2022/10/19
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	One side good, other rotten
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Poor	some damaged
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	2.0
Estimated High Water Level Clearance:	1.5		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
3	Complete	Low	\$ 250.00	Install one left delineator
4	Required	Low	\$	Grade to lift approach to match deck elevation and remove potholes.
5	Complete	Medium	\$	Replace rotten side of guardrails, other side recently repaired. Will require 40 ft of 10x10 rail and 8 rider blocks with hardware. Brackets are treated timber and in good shape.

### Corporate Bridge Register (CBR)

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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 76 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-008	<b>Structure Name:</b>	G4-008	<b>Road Name:</b>	OTTER	<b>Inspection Date:</b>	2022/10/19
<b>MONITORS</b>	#	Description					
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall. One side of guardrails will require replacement. Replacement to include risers and rails. Brackets are treated timber and in good shape.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Guard rails on one side replaced November 2022. See structure docs and photos. Load rating restored to 91 tonnes. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2035	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/08 12:16:28			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 77 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G1-035	Structure Name:	G1-035	Road Name:		Inspection Date:	2022/08/05
KM:	2.90	User km:	2.90	Crossing Name:	Hutchinson Creek	Next Inspection Date:	2025/08/05
Project File ID #:	1771	Br.	06	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel I-beam				Right	Concrete Lock Blocks	
Total Length (metres):	15.3	# Spans:	1	Span Width:		Span Length(s) (metres):	15.3
UTM Zone:	10		UTM Easting:	478617	UTM Northing:	5974410	
Inspector Name:	Kody Pepper			Year Superstructure Installed:	2010		
Access:							

### ABUTMENTS

Bearings	Fair	Both abutments the bearings showed indications of moving towards the stream
Bracing	Not Applicable	
Ballast Wall	Good	
Concrete Lock Blocks	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Fair	Left abutment has minimal rip rap
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	1	Left approach sign missing
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	2	
Fender Condition	Good	
Road Surface	Fair	Grade approaches

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 78 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G1-035	Structure Name:	G1-035	Road Name:		Inspection Date:	2022/08/05
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Fair	Downstream curb is rotten
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Fair	Due to deteriorating running planks and curb
Running Planks	Poor	Rotten/soft during sounding
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.3	Estimated Present Water Level Width:	3.0
Estimated High Water Level Clearance:	1.7		

### HAZARDS

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

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 79 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G1-035	Structure Name:	G1-035	Road Name:		Inspection Date:	2022/08/05
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REPAIRS	#	Status	Priority	Estimate	Description
	3	Required	Low	\$ 0.00	Install left approach bridge ahead sign
	4	Required	Low	\$ 0.00	Install right approach delineators
	5	Required	Low		Brush approaches and around the bridge
	6	Required	Medium		Replace curbs
	7	Required	Medium		Replace running deck
	8	Not Required	High	\$ 0.00	Re-center bridge on sill beams
	9	Required	Low		Grade approaches

MONITORS	#	Description
	4	Monitor left abutment for scour since there is minimal rip rap
	5	Monitor movement and condition of the anchors at the bearings on both abutments

GENERAL	Inspector's Comment:	4.1m running width
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GENERAL	PEng's Comment:	The current loadrating will be maintained. See the medium-priority repair items that should be completed.
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GENERAL	Estimated Load Restriction (year):	2050	Estimated Replacement (year):			
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Sey Choi on 2023/01/18 07:58:16		

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 80 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-049	<b>Structure Name:</b>	G4-049	<b>Road Name:</b>	BOBTAIL GRIZZLY	<b>Inspection Date:</b>	2022/10/20
<b>KM:</b>	10.40	<b>User km:</b>	10.40	<b>Crossing Name:</b>	Cluculz Creek	<b>Next Inspection Date:</b>	2025/10/20
<b>Project File ID #:</b>	1771	<b>Br.</b>	10	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Pipe Arch			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	2,000			<b>Outlet Cover (mm):</b>	2,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	21.4	<b>Opening Height (mm):</b>	3,330	<b>Opening Width (mm):</b>	5,050		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	460476	<b>UTM Northing:</b>	5952895		
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1997		
<b>Access:</b>	This site is located at 10.4 km of the Grizzly. Turn off the main Bobtail at 37 km and travel 10.4 km to the site.						

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Good	
<b>Coupled Connections</b>	Not Applicable	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Not Applicable	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 81 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-049	<b>Structure Name:</b>	G4-049	<b>Road Name:</b>	BOBTAIL GRIZZLY	<b>Inspection Date:</b>	2022/10/20
<b>Inlet</b>	Good						
<b>Outlet</b>	Fair	damaged by blowdown					
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good	impacted by blowdown at outlet					
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	5.0
	<b>Estimated High Water Level Clearance:</b>	1.8		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	2	Required	Medium	\$	Remove tree from top of culvert outlet and reshape pipe

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. A large tree has blown over onto the outlet and stoved in the roof. Should remove tree and reshape outlet.

<b>GENERAL</b>	<b>PEng's Comment:</b>	No major concerns. BH
----------------	------------------------	-----------------------

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 82 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-049	<b>Structure Name:</b>	G4-049	<b>Road Name:</b>	BOBTAIL GRIZZLY	<b>Inspection Date:</b>	2022/10/20	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2047	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/13 10:22:32				

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 83 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-004	Structure Name:	G4-004	Road Name:	BOBTAIL GRIZZLY	Inspection Date:	2022/10/20
KM:	25.50	User km:	25.50	Crossing Name:	Grizzly Creek	Next Inspection Date:	2025/10/20
Project File ID #:	1771	Br.	10	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Steel Pipe and Precast Pad	
Superstructure:	Concrete Slab Girders				Right	Steel Pipe and Precast Pad	
Total Length (metres):	11.0	# Spans:	1	Span Width:		Span Length(s) (metres):	11
UTM Zone:	10		UTM Easting:	464057	UTM Northing:	5941097	
Inspector Name:	John Brett			Year Superstructure Installed:	1999		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Not Applicable	
Piles or Posts	Unrated	not visible due to beaver dam and water level
Riprap	Unrated	under water
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	1	
Delineator Missing Right (approaching structure)	1	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Fair	potholes

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 84 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-004	Structure Name:	G4-004	Road Name:	BOBTAIL GRIZZLY	Inspection Date:	2022/10/20
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	replace
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Fair	

### SUPERSTRUCTURE

#### Span 1

Bracing	Not Applicable	
Hardware	Not Applicable	
Welded/grouted shear connectors	Good	

### CHANNEL

Estimated Present Water Level Depth:	0.5	Estimated Present Water Level Width:	8.0
Estimated High Water Level Clearance:	0.3		

### HAZARDS

High Water:	Yes	Scour:	No	Ice:	No	Debris:	Yes	Aggradation:	No
Comment:	Beavers active at site. Large dam constructed underneath bridge.								

### REPAIRS

#	Status	Priority	Estimate	Description
4	Required	Low	\$	Grade out approaches and fill in potholes
5	Complete	Low	\$ 500.00	Add one right and one left delineator
6	Required	Medium	\$	Remove Beaver Dam
7	Complete	Medium	\$	replace guardrails risers and brackets
8	Complete	High	\$ 0.00	Replace all guard rails and risers

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 85 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-004	Structure Name:	G4-004	Road Name:	BOBTAIL GRIZZLY	Inspection Date:	2022/10/20
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	This bridge requires maintenance work to remove the beaver dam directly underneath the structure. The guardrails also need to be replaced as some sections are missing and the rest is rotten. Approaches also should be graded out.				
	PEng's Comment:	Guard rails replaced November 2022. Remove beaver dam under bridge. BH				
<b>GENERAL</b>	Estimated Load Restriction (year):	2049	Estimated Replacement (year):			
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/12/08 12:15:38		

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 86 of 1182

## Log Stringer Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-046	Structure Name:	G4-925	Road Name:	BOOMER	Inspection Date:	2022/10/20	
KM:	7.00	User km:	7.00	Crossing Name:	unknown	Next Inspection Date:	2024/10/20	
Project File ID #:	1771	Br.	15	Forest District:	Stuart Nechako Natural Resource District			
Deck Type:	Timber - Untreated - Panels			Running Surface:	Timber Planks			
Curb Type:				Abutments (looking downstream)	Left	Sill -Temporary Materials		
Superstructure:	Steel I-beam				Right	Sill -Temporary Materials		
Total Length (metres):	12.2	# Spans:	1	Span Width:			Span Length(s) (metres):	12.2
UTM Zone:	10		UTM Easting:	427686		UTM Northing:	5927667	
Inspector Name:	John Brett			Year Superstructure Installed:	2006			
Access:								

### ABUTMENTS

Bearings	Fair	
Bracing	Not Applicable	
Ballast Wall	Fair	
Corrosion Protection	Not Applicable	
Caps or Sills	Fair	
Fill	Good	
Hardware	Fair	
Piles or Posts	Not Applicable	
Riprap	Fair	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	in a dip
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Fair	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 87 of 1182

## Log Stringer Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-046	Structure Name:	G4-925	Road Name:	BOOMER	Inspection Date:	2022/10/20
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Fair	
Deck to Girder Bolts	Good	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Nails	Fair	
Overall Deck Condition	Good	
Running Planks	Poor	holes in deck
Sub Deck	Unrated	N/A
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	1.0
Estimated High Water Level Clearance:	0.2		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
8	Required	High	\$ 0.00	Replace or reposition sills and ballast wall before hauling.
9	Required	High		Replace deck running surface
10	Required	Medium	\$ 0.00	Install deck clips.

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 88 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-046	Structure Name:	G4-925	Road Name:	BOOMER	Inspection Date:	2022/10/20
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure will need to be rebuilt for industrial use. Previous maintenance items are not complete. Structure has deck issues, is low elevation, and has less than adequate sills that appear to be settling. OK for light traffic in the meantime. Sill condition appear consistent with last inspection.				
	<b>PEng's Comment:</b>	Repairs are to be done to deck and abutments prior to hauling. Could be downrated further if repairs are not completed soon. BH				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2025	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	30	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/08 12:28:58		

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 89 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-013	<b>Structure Name:</b>	G4-013	<b>Road Name:</b>	THRASHER	<b>Inspection Date:</b>	2022/10/20	
<b>KM:</b>	0.40	<b>User km:</b>	136.00	<b>Crossing Name:</b>	Chilako River	<b>Next Inspection Date:</b>	2025/10/20	
<b>Project File ID #:</b>	1771	<b>Br.</b>	18	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete			<b>Running Surface:</b>	Concrete			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials		
<b>Total Length (metres):</b>	18.3	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	18.3
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	434376		<b>UTM Northing:</b>	5930074	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1999			
<b>Access:</b>	Take left branch at junction with Tatuk lake access road. Crossing can also be accessed from Pelican-Chilako FSR km 37.0							

### ABUTMENTS

<b>Bearings</b>	Fair	
<b>Bracing</b>	Good	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Fair	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 90 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G4-013 Structure Name: G4-013 Road Name: THRASHER Inspection Date: 2022/10/20

### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	3 long bolts missing
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Fair	3 long bolts missing
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	1.0	Estimated Present Water Level Width:	6.0
	Estimated High Water Level Clearance:	2.2		

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

REPAIRS	#	Status	Priority	Estimate	Description
	4	Required	Low	\$	Add 3 bolts that are currently missing. Will require 3 - 3/4" x 34" long dome head bolts, 3 x timber washers, 3 x 3/4 inch nuts

MONITORS	#	Description
	3	Riprap scour / migration at toe of riprap apron on Right Bank, see photos

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 91 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-013	<b>Structure Name:</b>	G4-013	<b>Road Name:</b>	THRASHER	<b>Inspection Date:</b>	2022/10/20
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in good shape overall. Issues noted during the inspection include migration of riprap from the toe of riprap apron on the upstream right bank and left bank. Riprap consists of a mix of rounded and angular material. Also the bearing pads are bulging and cracking. There were no photos attached to the previous maintenance item so they could not be compared to previous inspections. This inspection includes a photo of each pad, all are stil functioning and there is no contact of steel bearing plate components with the concrete cap at this time. Continue to monitor.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Continue to monitor bearings. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2049	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/08 12:25:57			

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 92 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-045	<b>Structure Name:</b>	G5-299	<b>Road Name:</b>	BOOMER 1000	<b>Inspection Date:</b>	2023/09/05
<b>KM:</b>	0.40	<b>User km:</b>	0.30	<b>Crossing Name:</b>	Un-named Creek	<b>Next Inspection Date:</b>	2025/09/05
<b>Project File ID #:</b>	1771	<b>Br.</b>	20	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated - Panels			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Sill -Temporary Materials	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Sill -Temporary Materials	
<b>Total Length (metres):</b>	12.2	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	12.2
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	426496	<b>UTM Northing:</b>	5925528	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2017		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Not Applicable	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	1	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	None	should add approach fenders to both approaches
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	
<b>Road Surface</b>	Fair	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 93 of 1182

## Log Stringer Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-045	Structure Name:	G5-299	Road Name:	BOOMER 1000	Inspection Date:	2023/09/05
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Unrated	N/A
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.0	Estimated Present Water Level Width:	0.0
Estimated High Water Level Clearance:	0.8		

### HAZARDS

High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
Comment:	Creek dry at time of inspection								

### REPAIRS

#	Status	Priority	Estimate	Description
9	Required	Low	\$ 500.00	Install one bridge ahead sign
10	Required	Low	\$	replace one rotten deck plank - 10 ft 12x4 timber and nails
11	Required	Low	\$	install approach fenders

### Corporate Bridge Register (CBR)

- Disclaimer:
- Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 94 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-045	<b>Structure Name:</b>	G5-299	<b>Road Name:</b>	BOOMER 1000	<b>Inspection Date:</b>	2023/09/05
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall. requires one bridge ahead sign and replacement of one rotten wear plank.				
	<b>PEng's Comment:</b>	Temporary install by Canfor in 2017. Near end of 5 year certification. Consider removing, replacing or recertifying bridge before industrial use. Address repair items. Downrated to 5 tonnes. BH				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	5	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/01 13:42:49		

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 95 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-368	<b>Structure Name:</b>	G5-368	<b>Road Name:</b>	MCLEOD -	<b>Inspection Date:</b>	2022/11/11
<b>KM:</b>	3.90	<b>User km:</b>	3.90	<b>Crossing Name:</b>	Willow Creek	<b>Next Inspection Date:</b>	2025/11/11
<b>Project File ID #:</b>	1784	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Open Bottom		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,000		<b>Outlet Cover (mm):</b>	1,000			
<b>Footing Type:</b>	Steel Footing		<b>Gradient (%):</b>	2.5			
<b>Culvert Length (metres):</b>	14.0	<b>Opening Height (mm):</b>	1,910	<b>Opening Width (mm):</b>	3,000		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	427925	<b>UTM Northing:</b>	6074896		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	2008			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Excellent	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Good	
<b>Coupled Connections</b>	Not Applicable	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Not Applicable	
<b>Footing</b>	Unrated	site flooded, could not assess
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 96 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-368	<b>Structure Name:</b>	G5-368	<b>Road Name:</b>	MCLEOD -	<b>Inspection Date:</b>	2022/11/11
<b>Inlet</b>	Good	beaver dam at inlet					
<b>Outlet</b>	Good	flooded from downstream beaver dam					
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.6	<b>Estimated Present Water Level Width:</b>	10.0
	<b>Estimated High Water Level Clearance:</b>	0.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	Yes	<b>Aggradation:</b>	No
	<b>Comment:</b>	beaver activity								

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	4	Required	Medium	\$	Remove beaver dam at inlet

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. Beavers are active in the area. Currently there is a dam at the inlet and downstream of the structure. Both should be removed.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Ok. BH
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 97 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-368	<b>Structure Name:</b>	G5-368	<b>Road Name:</b>	MCLEOD -	<b>Inspection Date:</b>	2022/11/11
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2050	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/12 09:17:05			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 98 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-369	Structure Name:	G5-369	Road Name:	MCLEOD -	Inspection Date:	2023/09/02
KM:	5.80	User km:	5.80	Crossing Name:	Tributary to Willow Creek	Next Inspection Date:	2026/09/02
Project File ID #:	1784	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Steel Pipe and Precast Pad	
Superstructure:	Steel I-beam				Right	Steel Pipe and Precast Pad	
Total Length (metres):	12.2	# Spans:	1	Span Width:			Span Length(s) (metres): 12.2
UTM Zone:	10		UTM Easting:	429770	UTM Northing:	6074236	
Inspector Name:	John Brett			Year Superstructure Installed:	2008		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	91	
Road Surface	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 99 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G5-369 Structure Name: G5-369 Road Name: MCLEOD - Inspection Date: 2023/09/02

### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

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

### HAZARDS

High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
Comment:	Beaver Dam under bridge								

### REPAIRS

#	Status	Priority	Estimate	Description
7	Required	Medium	\$	Remove large beaver dam from under structure

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 100 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-369	<b>Structure Name:</b>	G5-369	<b>Road Name:</b>	MCLEOD -	<b>Inspection Date:</b>	2023/09/02
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in good shape overall. A significant beaver dam currently exists directly underneath the structure and should be removed.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Beaver dam was removed once in 2022 and rebuilt again under bridge. Consider removing the beaver. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2030	<b>Estimated Replacement (year):</b>	2030			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/09 14:35:52			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 101 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-370	<b>Structure Name:</b>	G5-370A	<b>Road Name:</b>	MCLEOD -	<b>Inspection Date:</b>	2018/10/10
<b>KM:</b>	14.50	<b>User km:</b>	14.30	<b>Crossing Name:</b>	Silvi Creek	<b>Next Inspection Date:</b>	2017/05/17
<b>Project File ID #:</b>	1784	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	1,000			<b>Outlet Cover (mm):</b>	1,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	15.0	<b>Opening Height (mm):</b>	1,600	<b>Opening Width (mm):</b>	1,600		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	437311	<b>UTM Northing:</b>	6075559		
<b>Inspector Name:</b>	Gary Zsombor			<b>Year Superstructure Installed:</b>			
<b>Access:</b>	This site is not deactivated. It is a small culvert that does not need inspection. VS May 2013						

### APPROACHES

<b>Alignment</b>	Fair
<b>Road Surface</b>	Fair

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Fair	
<b>Coating</b>	Fair	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Poor	Rotting out
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	
<b>Inlet</b>	Fair	
<b>Outlet</b>	Fair	
<b>Overall</b>	Fair	
<b>Riprap</b>	Not Applicable	
<b>Roof</b>	Fair	
<b>Side Walls</b>	Fair	
<b>Trash Rack</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 102 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-370	<b>Structure Name:</b>	G5-370A	<b>Road Name:</b>	MCLEOD -	<b>Inspection Date:</b>	2018/10/10
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	0.3			
	<b>Estimated High Water Level Clearance:</b>	0.5					
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b> No
	<b>Aggradation:</b>	No					
<b>Comment:</b>							
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>		
<b>MONITORS</b>	<b>#</b>	<b>Description</b>					
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Minor culvert with issues					
<b>GENERAL</b>	<b>PEng's Comment:</b>	no photos. Appears to be a small culvert that does not need engineered inspections. This should be completed during normal district road inspections					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2020	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	See footnote	<b>Design Load GVW (tonnes):</b>		<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Rejected By IDIR\JOLMSTED on 2019/02/08 11:38:15			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 103 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-371	<b>Structure Name:</b>	G5-371	<b>Road Name:</b>	MCLEOD -	<b>Inspection Date:</b>	2022/11/11
<b>KM:</b>	15.30	<b>User km:</b>	15.30	<b>Crossing Name:</b>	Tsilcoh River	<b>Next Inspection Date:</b>	2025/11/11
<b>Project File ID #:</b>	1784	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	2,500			<b>Outlet Cover (mm):</b>	2,500		
<b>Footing Type:</b>				<b>Gradient (%):</b>	0.0		
<b>Culvert Length (metres):</b>	23.0	<b>Opening Height (mm):</b>	2,200	<b>Opening Width (mm):</b>	2,200		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	437662	<b>UTM Northing:</b>	6075966		
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1988		
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Fair	surface rust half way up culvert
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 104 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-371	<b>Structure Name:</b>	G5-371	<b>Road Name:</b>	MCLEOD -	<b>Inspection Date:</b>	2022/11/11
<b>Inlet</b>	Good	beaver dam just in from inlet on left cdulvert					
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.5	<b>Estimated Present Water Level Width:</b>	7.0
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	Yes	<b>Aggradation:</b>	No
	<b>Comment:</b>	beavers active in area								

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

<b>MONITORS</b>	#	Description
	3	Beaver activity, remove dam from inside culvert if gets bigger.

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culverts are in good shape overall. Right bank culvert has a 30cm plunge form culvert invert to plunge pool bottom. The left culvert has a beaver dam partially blocking the culvert flow 5m in from the inlet. Dam should be removed if increased in size, possibility it may wash through with higher water levels. Monitor beaver activity during future inspections.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns other than monitoring beaver activity. BH
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 105 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-371	<b>Structure Name:</b>	G5-371	<b>Road Name:</b>	MCLEOD -	<b>Inspection Date:</b>	2022/11/11	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2028	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		54	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/12/12 09:18:05			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 106 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-371	<b>Structure Name:</b>	G5-371-2	<b>Road Name:</b>	MCLEOD -	<b>Inspection Date:</b>	2022/11/11
<b>KM:</b>	15.30	<b>User km:</b>	15.30	<b>Crossing Name:</b>	Tsilcoh River	<b>Next Inspection Date:</b>	2025/11/11
<b>Project File ID #:</b>	1784	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	1,700			<b>Outlet Cover (mm):</b>	1,700		
<b>Footing Type:</b>				<b>Gradient (%):</b>	0.0		
<b>Culvert Length (metres):</b>	22.0	<b>Opening Height (mm):</b>	1,600	<b>Opening Width (mm):</b>	1,600		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	437662	<b>UTM Northing:</b>	6075966		
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1988		
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Fair	surface rust half way up culvert
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 107 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-371	<b>Structure Name:</b>	G5-371-2	<b>Road Name:</b>	MCLEOD -	<b>Inspection Date:</b>	2022/11/11
<b>Inlet</b>	Good	beaver dam just in from inlet on left culvert					
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.5	<b>Estimated Present Water Level Width:</b>	7.0
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	beaver activity								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	2	Beaver Activity, remove small dam from inside left culvert if it gets bigger.

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culverts are in good shape overall. Right bank culvert has a 30cm plunge form culvert invert to plunge pool bottom. The left culvert has a beaver dam partially blocking the culvert flow 5m in from the inlet. Dam should be removed if increased in size, possibility it may wash through with higher water levels. Monitor beaver activity during future inspections.
	<b>PEng's Comment:</b>	No major concerns. BH

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culverts are in good shape overall. Right bank culvert has a 30cm plunge form culvert invert to plunge pool bottom. The left culvert has a beaver dam partially blocking the culvert flow 5m in from the inlet. Dam should be removed if increased in size, possibility it may wash through with higher water levels. Monitor beaver activity during future inspections.
	<b>PEng's Comment:</b>	No major concerns. BH

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 108 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-371	<b>Structure Name:</b>	G5-371-2	<b>Road Name:</b>	MCLEOD -	<b>Inspection Date:</b>	2022/11/11
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2028	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		54	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/12/12 09:19:01		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 109 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-373	<b>Structure Name:</b>	G5-373	<b>Road Name:</b>	MCLEOD -	<b>Inspection Date:</b>	2022/08/25	
<b>KM:</b>	26.70	<b>User km:</b>	26.70	<b>Crossing Name:</b>	Salmon River	<b>Next Inspection Date:</b>	2025/08/25	
<b>Project File ID #:</b>	1784	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete			<b>Running Surface:</b>	Concrete			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Binwall		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Binwall		
<b>Total Length (metres):</b>	18.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	18
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	447545		<b>UTM Northing:</b>	6076736	
<b>Inspector Name:</b>	Bruce Henderson			<b>Year Superstructure Installed:</b>	1991			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	Inspected inside only. Outside bearings covered with dirt.
<b>Binwall</b>	Good	
<b>Bracing</b>	Good	
<b>Ballast Wall</b>	Fair	Missing weld on girder to ballast wall connection.
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	1	One missing on low chain
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Fair	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	Not posted rated at 64T

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 110 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-373	<b>Structure Name:</b>	G5-373	<b>Road Name:</b>	MCLEOD -	<b>Inspection Date:</b>	2022/08/25
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<b>Road Surface</b>	Good	
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DECK		
Span 1		
<b>Concrete Deck</b>	Fair	Some grout missing from joints. No major issue.
<b>Curb Rail/Blocks/Posts</b>	Good	
<b>Deck Joints</b>	Fair	
<b>Grout Pockets</b>	Good	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Overall Deck Condition</b>	Fair	
<b>Running Surface</b>	Good	

SUPERSTRUCTURE		
Span 1		
<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

CHANNEL	<b>Estimated Present Water Level Depth:</b>	0.5	<b>Estimated Present Water Level Width:</b>	
	<b>Estimated High Water Level Clearance:</b>			

HAZARDS	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	Some beaver activity on the upstream side								

REPAIRS	#	Status	Priority	Estimate	Description
	7	Required	Medium	\$ 0.00	Install bridge ahead on low chain approach.

MONITORS	#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 111 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-373	<b>Structure Name:</b>	G5-373	<b>Road Name:</b>	MCLEOD -	<b>Inspection Date:</b>	2022/08/25
<b>GENERAL</b>	<b>Inspector's Comment:</b>	This inspection identified poor and missing welds that connect the girders to the embedded plates on the ballast walls. Could not see any issues with grout pockets and require no additional maintenance.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	The missing welds on the ballast walls do not impact the structural integrity of the bridge and no movement was observed. No other issues. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2031		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	64	<b>Design Load GVW (tonnes):</b>	54	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/29 14:54:21			

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 112 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-367	<b>Structure Name:</b>	G5-367	<b>Road Name:</b>	MCLEOD -	<b>Inspection Date:</b>	2023/09/02
<b>KM:</b>	32.10	<b>User km:</b>	31.00	<b>Crossing Name:</b>	Unnamed Creek	<b>Next Inspection Date:</b>	2026/09/02
<b>Project File ID #:</b>	1784	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Arch		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	500		<b>Outlet Cover (mm):</b>	900			
<b>Footing Type:</b>	Steel Footing		<b>Gradient (%):</b>	5.0			
<b>Culvert Length (metres):</b>	9.6	<b>Opening Height (mm):</b>	800	<b>Opening Width (mm):</b>	1,610		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	451069	<b>UTM Northing:</b>	6076916		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	2020			
<b>Access:</b>	Small arch installed in 2020. Minor structure, set to Do NOT Inspect. 2021 GZ						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Good	
<b>Coupled Connections</b>	Not Applicable	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Not Applicable	
<b>Footing</b>	Good	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 113 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-367	<b>Structure Name:</b>	G5-367	<b>Road Name:</b>	MCLEOD -	<b>Inspection Date:</b>	2023/09/02
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	1.4
	<b>Estimated High Water Level Clearance:</b>	0.3		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	2	Monitor progression of scour under footing.

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in good shape overall. Footing monitor item appears to be consistent with the last inspection. Top of footing is visible but is not scoured underneath.
	<b>PEng's Comment:</b>	Good. BH

<b>GENERAL</b>	<b>PEng's Comment:</b>	Good. BH
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 114 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-367	<b>Structure Name:</b>	G5-367	<b>Road Name:</b>	MCLEOD -	<b>Inspection Date:</b>	2023/09/02
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2065	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b> L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/11/09 15:25:05		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 115 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G1-450	<b>Structure Name:</b>	G1-450	<b>Road Name:</b>	MCLEOD -	<b>Inspection Date:</b>	2002/09/06
<b>KM:</b>	0.20	<b>User km:</b>	34.20	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2005/09/06
<b>Project File ID #:</b>	1784	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>				<b>Culvert Material:</b>			
<b>Inlet Cover (mm):</b>	0	<b>Outlet Cover (mm):</b>	0				
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	12.0	<b>Opening Height (mm):</b>	1	<b>Opening Width (mm):</b>	1		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	474864	<b>UTM Northing:</b>	6074893		
<b>Inspector Name:</b>	Gary Zsombor		<b>Year Superstructure Installed:</b>	1988			
<b>Access:</b>	Carp Lake Park						

### APPROACHES

<b>Bridge Ahead Signs Missing</b>	2	No Comment Available -Converter.RNI
<b>Delineator Missing Left</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Delineator Missing Right</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0.0	No Comment Available -Converter.RNI
<b>Road Surface</b>	Good	No Comment Available -Converter.RNI

### CULVERT ELEMENT

<b>Coupled Connections</b>	Good	No Comment Available -Converter.RNI
<b>Coating</b>	Good	No Comment Available -Converter.RNI
<b>Fill</b>	Good	No Comment Available -Converter.RNI
<b>Floor</b>	Good	No Comment Available -Converter.RNI
<b>Inlet</b>	Poor	No Comment Available -Converter.RNI
<b>Outlet</b>	Good	No Comment Available -Converter.RNI
<b>Roof</b>	Good	No Comment Available -Converter.RNI
<b>Side Walls</b>	Good	No Comment Available -Converter.RNI

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 116 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G1-450	<b>Structure Name:</b>	G1-450	<b>Road Name:</b>	MCLEOD -	<b>Inspection Date:</b>	2002/09/06			
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>						
	<b>Estimated High Water Level Clearance:</b>			0.5						
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	Yes	<b>Aggradation:</b>	No
	<b>Comment:</b>									
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>					
	3	Suggested	Medium	\$ 0.00	Span: 1.0. Remove Beaver Dam. Remove beaver dam late in fall. Prior to freeze up..					
<b>MONITORS</b>	<b>#</b>	<b>Description</b>								
	1	MONITOR BEAVER DAM AT INLET. No riprap required.								
<b>GENERAL</b>	<b>Inspector's Comment:</b>	nullCulvert: 1) Beaver dam.								
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments								
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			<b>Estimated Replacement (year):</b>						
	<b>Current Inspection Load Rating:</b>	41	<b>Design Load GVW (tonnes):</b>	41	<b>Design Vehicle Config.:</b>					
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By IDIR\JOLMSTED on 2012/03/30 14:00:28						

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 117 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G1-451	Structure Name:	G1-451	Road Name:	MCLEOD -	Inspection Date:	2002/09/05
KM:	9.70	User km:	40.50	Crossing Name:	Unnamed creek	Next Inspection Date:	2005/09/05
Project File ID #:	1784	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:				Culvert Material:			
Inlet Cover (mm):	0	Outlet Cover (mm):	0				
Footing Type:				Gradient (%):			
Culvert Length (metres):	12.0	Opening Height (mm):	1	Opening Width (mm):	1		
UTM Zone:	10	UTM Easting:	469622	UTM Northing:	6075995		
Inspector Name:	Gary Zsombor		Year Superstructure Installed:	1988			
Access:	Carp Lake Park						

### APPROACHES

Bridge Ahead Signs Missing	2	No Comment Available -Converter.RNI
Delineator Missing Left (approaching structure)	2	No Comment Available -Converter.RNI
Delineator Missing Right (approaching structure)	2	No Comment Available -Converter.RNI
Posted Load Rating (Enter 0 if sign missing)	0.0	No Comment Available -Converter.RNI
Road Surface	Good	No Comment Available -Converter.RNI

### CULVERT ELEMENT

Coupled Connections	Good	No Comment Available -Converter.RNI
Coating	Good	No Comment Available -Converter.RNI
Fill	Good	No Comment Available -Converter.RNI
Floor	Good	No Comment Available -Converter.RNI
Inlet	Good	No Comment Available -Converter.RNI
Outlet	Good	No Comment Available -Converter.RNI
Roof	Good	No Comment Available -Converter.RNI
Side Walls	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 118 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G1-451	<b>Structure Name:</b>	G1-451	<b>Road Name:</b>	MCLEOD -	<b>Inspection Date:</b>	2002/09/05
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>			
	<b>Estimated High Water Level Clearance:</b>			0.6			
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b> No
	<b>Aggradation:</b>	No					
<b>Comment:</b>							
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>		
<b>MONITORS</b>	<b>#</b>	<b>Description</b>					
	1	Monitor for scour as no rip rap is on site.					
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	41	<b>Design Load GVW (tonnes):</b>	41	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By IDIR\JOLMSTED on 2012/03/30 14:06:08			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 119 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-380	<b>Structure Name:</b>	G4-161	<b>Road Name:</b>	WHITEMUD	<b>Inspection Date:</b>	2021/09/21	
<b>KM:</b>	0.40	<b>User km:</b>	0.40	<b>Crossing Name:</b>	Whitemud Creek	<b>Next Inspection Date:</b>	2024/09/21	
<b>Project File ID #:</b>	1784	<b>Br.</b>	03	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete			<b>Running Surface:</b>	Concrete			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	12.2	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	12.2
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	450787		<b>UTM Northing:</b>	6075500	
<b>Inspector Name:</b>	Dawson Smith			<b>Year Superstructure Installed:</b>	2021			
<b>Access:</b>	Km 29.7 McLeod-Tsloch FSR. Start - McLeod Whitemud FSR.							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Fair	fill is soft
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Fair	need additional itiiiprap
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	68	

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 120 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR/WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-380	<b>Structure Name:</b>	G4-161	<b>Road Name:</b>	WHITEMUD	<b>Inspection Date:</b>	2021/09/21
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<b>Road Surface</b>	Good	
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### DECK

#### Span 1

<b>Concrete Deck</b>	Fair	
<b>Curb Rail/Blocks/Posts</b>	Good	
<b>Deck Joints</b>	Poor	joints need redone
<b>Grout Pockets</b>	Not Applicable	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Overall Deck Condition</b>	Fair	joints need redone
<b>Running Surface</b>	Good	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.5	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	2.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	2	Not Required	Medium	\$ 0.00	Install grouting in joints.

<b>MONITORS</b>	#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 121 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-380	<b>Structure Name:</b>	G4-161	<b>Road Name:</b>	WHITEMUD	<b>Inspection Date:</b>	2021/09/21
<b>GENERAL</b>	<b>Inspector's Comment:</b>	No issues other than joints not grouted. GZ					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Non composite bridge grouting is not required. Risers missing on interior deck panels. Does not conform with standard drawings timber curbs. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2066		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	68	<b>Design Load GVW (tonnes):</b>	68	<b>Design Vehicle Config.:</b>	L75	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/10 13:17:01			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 122 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-381	<b>Structure Name:</b>	G4-953	<b>Road Name:</b>	WHITEMUD	<b>Inspection Date:</b>	2021/09/21	
<b>KM:</b>	3.10	<b>User km:</b>	3.10	<b>Crossing Name:</b>	unnamed	<b>Next Inspection Date:</b>	2024/09/21	
<b>Project File ID #:</b>	1784	<b>Br.</b>	06	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated - Panels			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	18.3	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	18.3
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	453135		<b>UTM Northing:</b>	6070337	
<b>Inspector Name:</b>	Dawson Smith			<b>Year Superstructure Installed:</b>	2008			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	2	
<b>Fender Condition</b>	Poor	log fenders
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 123 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-381	<b>Structure Name:</b>	G4-953	<b>Road Name:</b>	WHITEMUD	<b>Inspection Date:</b>	2021/09/21
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<b>Road Surface</b>	Good	
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### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Poor	rotten riser blocks
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Fair	
<b>Running Planks</b>	Fair	
<b>Sub Deck</b>	Unrated	none
<b>Ties</b>	Fair	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.0	<b>Estimated Present Water Level Width:</b>	0.0
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 124 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-381	<b>Structure Name:</b>	G4-953	<b>Road Name:</b>	WHITEMUD	<b>Inspection Date:</b>	2021/09/21
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REPAIRS	#	Status	Priority	Estimate	Description
	3	Required	High		Install approach fenders. (log)
	4	Required	High		Install both bridge ahead signs
	5	Required	High		Install 4 delineators
	6	Required	Medium		Brush approaches
	7	Required	High		Replace riser blocks

MONITORS	#	Description

GENERAL	<b>Inspector's Comment:</b>	Log fenders, it has a locked gate on the up end. see pictures  Consider load restriction to flag maintenance items identified on previos inspection. GZ
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GENERAL	<b>PEng's Comment:</b>	Address high repair items before industrial use. BH
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GENERAL	<b>Estimated Load Restriction (year):</b>		2025	<b>Estimated Replacement (year):</b>		
	<b>Current Inspection Load Rating:</b>	64	<b>Design Load GVW (tonnes):</b>	64	<b>Design Vehicle Config.:</b>	BCL62
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/06 19:19:38		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 125 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-120	<b>Structure Name:</b>	G4-120A	<b>Road Name:</b>	SINKUT	<b>Inspection Date:</b>	2023/09/05	
<b>KM:</b>	0.20	<b>User km:</b>	0.20	<b>Crossing Name:</b>	Sinkut River	<b>Next Inspection Date:</b>	2026/09/05	
<b>Project File ID #:</b>	1787	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Concrete			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials		
<b>Total Length (metres):</b>	21.9	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	20.7
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	431510		<b>UTM Northing:</b>	5972565	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2016			
<b>Access:</b>	Go left at km 1 on Hargreaves road which is off Sinkut Lake road.							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	2	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Excellent	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 126 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G4-120 Structure Name: G4-120A Road Name: SINKUT Inspection Date: 2023/09/05

### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.3	Estimated Present Water Level Width:	7.0
	Estimated High Water Level Clearance:	1.8		

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

REPAIRS	#	Status	Priority	Estimate	Description
	4	Required	Low	\$	Install 4 delineators

MONITORS	#	Description

### Corporate Bridge Register (CBR)

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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 127 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-120	<b>Structure Name:</b>	G4-120A	<b>Road Name:</b>	SINKUT	<b>Inspection Date:</b>	2023/09/05
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in very good shape overall. No deficiencies noted aside from 4 missing delineators.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Sign should be posted at 91t. Old sign may be damaged and should be removed if it hasn't already. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2066	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/10/30 12:45:04			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 128 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-016	<b>Structure Name:</b>	G4-016A	<b>Road Name:</b>	DOG CREEK	<b>Inspection Date:</b>	2022/08/16
<b>KM:</b>	2.00	<b>User km:</b>	2.00	<b>Crossing Name:</b>	Dog Creek	<b>Next Inspection Date:</b>	2025/08/16
<b>Project File ID #:</b>	1788	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Concrete			<b>Running Surface:</b>	Concrete		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Steel Pipe and Precast Pad	
<b>Superstructure:</b>	Concrete Slab Girders				<b>Right</b>	Steel Pipe and Precast Pad	
<b>Total Length (metres):</b>	10.6	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	10.6
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	416386		<b>UTM Northing:</b>	6014431
<b>Inspector Name:</b>	Warren Wilikinson			<b>Year Superstructure Installed:</b>	2008		
<b>Access:</b>	This road is accessed from highway 27 north of Vanderhoof.						

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	sills, part of ballast wall
<b>Fill</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Fair	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	1	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	63.7	
<b>Road Surface</b>	Fair	

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 129 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G4-016 Structure Name: G4-016A Road Name: DOG CREEK Inspection Date: 2022/08/16

### DECK

#### Span 1

Concrete Deck	Good	spalding upstream side
Curb Rail/Blocks/Posts	Fair	rot in downstream curb \ rot & ants in upstream
Deck Joints	Not Applicable	
Grout Pockets	Not Applicable	
Grout Pockets	Not Applicable	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Not Applicable	
Hardware	Not Applicable	
Welded/grouted shear connectors	Not Applicable	

CHANNEL	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	1.0
	Estimated High Water Level Clearance:	1.0		

HAZARDS	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:	Beaver dam upstream								

REPAIRS	#	Status	Priority	Estimate	Description
		3	Required	Medium	

MONITORS	#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 130 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-016	<b>Structure Name:</b>	G4-016A	<b>Road Name:</b>	DOG CREEK	<b>Inspection Date:</b>	2022/08/16
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	Guard rails have significant rot and should be replaced. No other concerns. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2038		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	64	<b>Design Load GVW (tonnes):</b>	64	<b>Design Vehicle Config.:</b>	BCL62	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/22 09:16:22			

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 131 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-026	<b>Structure Name:</b>	G4-026A	<b>Road Name:</b>	DOG CREEK	<b>Inspection Date:</b>	2022/08/16
<b>KM:</b>	11.10	<b>User km:</b>	11.10	<b>Crossing Name:</b>	Unknown	<b>Next Inspection Date:</b>	2025/08/16
<b>Project File ID #:</b>	1788	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Open Bottom		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>			<b>Outlet Cover (mm):</b>				
<b>Footing Type:</b>	Precast Concrete Footing		<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	23.0	<b>Opening Height (mm):</b>	2,360	<b>Opening Width (mm):</b>	5,790		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	407385	<b>UTM Northing:</b>	6014480		
<b>Inspector Name:</b>	Warren Wilkinson		<b>Year Superstructure Installed:</b>	2008			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	2	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	2	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Fair	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Good	
<b>Coupled Connections</b>	Not Applicable	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Not Applicable	
<b>Footing</b>	Good	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 132 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-026	<b>Structure Name:</b>	G4-026A	<b>Road Name:</b>	DOG CREEK	<b>Inspection Date:</b>	2022/08/16
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Fair	not very much riprap					
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Fair	build up @ outlet with rocks					
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	0.2		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	

<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH
----------------	------------------------	-----------------

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 133 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-026	<b>Structure Name:</b>	G4-026A	<b>Road Name:</b>	DOG CREEK	<b>Inspection Date:</b>	2022/08/16
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2048	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		68	<b>Design Load GVW (tonnes):</b>		<b>Design Vehicle Config.:</b> CL625	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/11/22 09:49:49		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 134 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-130	<b>Structure Name:</b>	G4-130	<b>Road Name:</b>	SUTHERLAND	<b>Inspection Date:</b>	2001/06/14
<b>KM:</b>	18.00	<b>User km:</b>	0.00	<b>Crossing Name:</b>	Angly Creek	<b>Next Inspection Date:</b>	2004/06/14
<b>Project File ID #:</b>	1795	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	2,000			<b>Outlet Cover (mm):</b>	2,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	27.0	<b>Opening Height (mm):</b>	1,400	<b>Opening Width (mm):</b>	1,400		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	388362	<b>UTM Northing:</b>	6008206		
<b>Inspector Name:</b>	Tim Silbernagel			<b>Year Superstructure Installed:</b>	1990		
<b>Access:</b>	1400mm culvert. Leave as DNI. GZ 2020						

### APPROACHES

<b>Bridge Ahead Signs Missing</b>	2	No Comment Available -Converter.RNI
<b>Delineator Missing Left</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Delineator Missing Right</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0.0	No Comment Available -Converter.RNI
<b>Road Surface</b>	Good	No Comment Available -Converter.RNI

### CULVERT ELEMENT

<b>Coupled Connections</b>	Good	No Comment Available -Converter.RNI
<b>Coating</b>	Good	No Comment Available -Converter.RNI
<b>Fill</b>	Good	No Comment Available -Converter.RNI
<b>Floor</b>	Good	No Comment Available -Converter.RNI
<b>Inlet</b>	Good	No Comment Available -Converter.RNI
<b>Outlet</b>	Fair	No Comment Available -Converter.RNI
<b>Riprap</b>	Good	No Comment Available -Converter.RNI
<b>Roof</b>	Good	No Comment Available -Converter.RNI
<b>Side Walls</b>	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 135 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-130	<b>Structure Name:</b>	G4-130	<b>Road Name:</b>	SUTHERLAND	<b>Inspection Date:</b>	2001/06/14			
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>						
	<b>Estimated High Water Level Clearance:</b>			0.8						
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>					
<b>MONITORS</b>	<b>#</b>	<b>Description</b>								
	1	Monitor for scour as no rip rap is on site. (no scour TS 2001)								
<b>GENERAL</b>	<b>Inspector's Comment:</b>	nullCulvert: 2) 0.1M drop, fast water, may not have fish passage.								
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments								
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2040	<b>Estimated Replacement (year):</b>					
	<b>Current Inspection Load Rating:</b>		41	<b>Design Load GVW (tonnes):</b>		41	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>		No	<b>Report Status:</b>		Accepted By IDIR\RMGETZLA on 2012/04/13 11:21:47				

### Corporate Bridge Register (CBR)

Disclaimer:  
 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.  
 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 136 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-132	<b>Structure Name:</b>	G4-936	<b>Road Name:</b>	SUTHERLAND	<b>Inspection Date:</b>	2023/09/02
<b>KM:</b>	22.00	<b>User km:</b>	22.00	<b>Crossing Name:</b>	Peta Creek	<b>Next Inspection Date:</b>	2025/09/02
<b>Project File ID #:</b>	1795	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated - Panels			<b>Running Surface:</b>	Not Available		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Sill -Temporary Materials	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Sill -Temporary Materials	
<b>Total Length (metres):</b>	15.2	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b> 15.2
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	385126		<b>UTM Northing:</b>	6009776
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2003		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Not Applicable	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	1	
<b>Delineator Missing Right (approaching structure)</b>	1	
<b>Fender Condition</b>	Fair	damaged but still functional
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Fair	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 137 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-132	Structure Name:	G4-936	Road Name:	SUTHERLAND	Inspection Date:	2023/09/02
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Fair	
Running Planks	Fair	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	2.0
Estimated High Water Level Clearance:	0.2		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
6	Required	Low		Add one right and one left delineator
7	Required	Medium	\$	Replace wear deck in wheel tracks. 50 pieces of 3 x 10 x 10 ft.

### Corporate Bridge Register (CBR)

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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 138 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-132	<b>Structure Name:</b>	G4-936	<b>Road Name:</b>	SUTHERLAND	<b>Inspection Date:</b>	2023/09/02
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	This is a low profile structure with little clearance. High flow appears to be contained however within the end area of the structure. some of the older photos in this inspection appear to be of another structure with more clearance. Wear planks in wheel tracks are getting soft and deteriorating in spots. Should replace.				
	<b>PEng's Comment:</b>	It appears guard rails have been repaired. Running planks need replacing. BH				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2024	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/10 14:32:13		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 139 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-159	Structure Name:	G4-159	Road Name:	SUTHERLAND	Inspection Date:	2022/08/10
KM:	26.50	User km:	26.50	Crossing Name:	Un-named	Next Inspection Date:	2025/08/10
Project File ID #:	1795	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Open Bottom		Culvert Material:	Corrugated Steel			
Inlet Cover (mm):	1,000		Outlet Cover (mm):	1,500			
Footing Type:	Steel Footing		Gradient (%):				
Culvert Length (metres):	18.4	Opening Height (mm):	1,910	Opening Width (mm):	3,660		
UTM Zone:	10	UTM Easting:	381768	UTM Northing:	6011076		
Inspector Name:	Warren Wilikinson		Year Superstructure Installed:	2009			
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	2	
Brushing Required	No	
Delineator Missing Left (approaching structure)	2	
Delineator Missing Right (approaching structure)	2	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Good	
Coupled Connections	Not Applicable	
Coating	Good	Rust at bottom edge
Embedment Materials	Good	loose rocks / some washed out @ outlet
Fill	Good	some small scour u/p
Floor	Not Applicable	
Footing	Fair	Some deformation about 1/3 from outlet, this deformation may be caused by undercutting of base by stream.
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 140 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-159	<b>Structure Name:</b>	G4-159	<b>Road Name:</b>	SUTHERLAND	<b>Inspection Date:</b>	2022/08/10
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Fair						
<b>Riprap</b>	Good						
<b>Roof</b>	Fair		some compression / deformation				
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	0.5
	<b>Estimated High Water Level Clearance:</b>	0.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	Yes	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	it appears that some of the embedded material is being washed away out of culvert								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	1	undercutting of culvert footing
	2	deformation of roof, could be caused by undercutting of footing

<b>GENERAL</b>	<b>Inspector's Comment:</b>	some undercutting of the footing about 1/3 from outlet, may also be causing deformation of roof
	<b>PEng's Comment:</b>	Continue monitoring for scour progression and roof deformation. BH

<b>GENERAL</b>	<b>Inspector's Comment:</b>	some undercutting of the footing about 1/3 from outlet, may also be causing deformation of roof
	<b>PEng's Comment:</b>	Continue monitoring for scour progression and roof deformation. BH

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 141 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-159	<b>Structure Name:</b>	G4-159	<b>Road Name:</b>	SUTHERLAND	<b>Inspection Date:</b>	2022/08/10
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2059	<b>Estimated Replacement (year):</b>		2059	
	<b>Current Inspection Load Rating:</b>		64	<b>Design Load GVW (tonnes):</b>		64	<b>Design Vehicle Config.:</b> CL625
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b> Reviewed By Bruce Henderson on 2022/11/23 09:10:56				

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 142 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-162	<b>Structure Name:</b>	G4-162	<b>Road Name:</b>	OLD TROUT	<b>Inspection Date:</b>	2022/07/26
<b>KM:</b>	4.80	<b>User km:</b>	4.80	<b>Crossing Name:</b>	Tatin Creek	<b>Next Inspection Date:</b>	2025/07/26
<b>Project File ID #:</b>	1795	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Precast	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Precast	
<b>Total Length (metres):</b>	12.0	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	12
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	371188		<b>UTM Northing:</b>	5997663
<b>Inspector Name:</b>	Warren Wilkinson			<b>Year Superstructure Installed:</b>	1993		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Fair	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Precast</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	sill
<b>Fill</b>	Fair	pot holes to bridge
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	? dont know if posts or piles
<b>Riprap</b>	Not Applicable	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Fair	nose cones right side knocked off
<b>Posted Load Rating (Enter 0 if sign missing)</b>	54	x2

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 143 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-162	<b>Structure Name:</b>	G4-162	<b>Road Name:</b>	OLD TROUT	<b>Inspection Date:</b>	2022/07/26
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<b>Road Surface</b>	Poor	wilderness level
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### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Poor	rotting needs replacing
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Fair	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Fair	
<b>Running Planks</b>	Poor	some boards rotten along edges
<b>Sub Deck</b>	Good	creasode
<b>Ties</b>	Good	creasode

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	visually
<b>Under Trussing</b>	Good	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	1.0	<b>Estimated Present Water Level Width:</b>	1.5
	<b>Estimated High Water Level Clearance:</b>	3.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	4	Required	Medium	\$	replace running deck
	6	Required	High		Replace curbs and risers

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 144 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-162	Structure Name:	G4-162	Road Name:	OLD TROUT	Inspection Date:	2022/07/26
---------	--------	-----------------	--------	------------	-----------	------------------	------------

<b>MONITORS</b>	#	Description
	2	retaining crib logs near creek to ensure no material is entering Tatin Creek.

<b>GENERAL</b>	Inspector's Comment:	Crib is badly rotted, top log right side broken and pushed into stream downstream end
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<b>GENERAL</b>	PEng's Comment:	Load limit reduced to 5tonnes due to rotten decking and guard rails. BH
----------------	-----------------	---

<b>GENERAL</b>	Estimated Load Restriction (year):	2033	Estimated Replacement (year):			
	Current Inspection Load Rating:	5	Design Load GVW (tonnes):	54	Design Vehicle Config.:	L60
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/11/23 16:01:08		

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 145 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-166	<b>Structure Name:</b>	G4-164A	<b>Road Name:</b>	OLD TROUT	<b>Inspection Date:</b>	2022/07/26	
<b>KM:</b>	12.60	<b>User km:</b>	12.60	<b>Crossing Name:</b>	unnamed	<b>Next Inspection Date:</b>	2025/07/26	
<b>Project File ID #:</b>	1795	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Concrete			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Steel Pipe and Precast Pad		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Steel Pipe and Precast Pad		
<b>Total Length (metres):</b>	18.3	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	18.3
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	375180		<b>UTM Northing:</b>	6001982	
<b>Inspector Name:</b>	Warren Wilkinson			<b>Year Superstructure Installed:</b>	2011			
<b>Access:</b>	Structure number was wrong. Changed from G4-166 to G4-164A.							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Good	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	Caps
<b>Fill</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Piles or Posts</b>	Good	Posts
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	63	x2
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 146 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G4-166 Structure Name: G4-164A Road Name: OLD TROUT Inspection Date: 2022/07/26

### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	steel
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Not Applicable	welded
Under Trussing	Good	

### CHANNEL

Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	0.1
Estimated High Water Level Clearance:	1.0		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description

### MONITORS

#	Description
1	entered in error

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 147 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-166	<b>Structure Name:</b>	G4-164A	<b>Road Name:</b>	OLD TROUT	<b>Inspection Date:</b>	2022/07/26
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2050		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	64	<b>Design Load GVW (tonnes):</b>	64	<b>Design Vehicle Config.:</b>	BCL62	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/23 15:44:29			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 148 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-150	<b>Structure Name:</b>	G4-150	<b>Road Name:</b>	SUTHERLAND	<b>Inspection Date:</b>	2022/08/10
<b>KM:</b>	2.70	<b>User km:</b>	2.70	<b>Crossing Name:</b>	Duncan Creek	<b>Next Inspection Date:</b>	2025/08/10
<b>Project File ID #:</b>	1795	<b>Br.</b>	03	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	2,500		<b>Outlet Cover (mm):</b>	2,500			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	24.0	<b>Opening Height (mm):</b>	2,700	<b>Opening Width (mm):</b>	2,700		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	379689	<b>UTM Northing:</b>	6014933		
<b>Inspector Name:</b>	Warren Wilikinson		<b>Year Superstructure Installed:</b>	1993			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Poor	Culvert
<b>Bridge Ahead Signs Missing</b>	2	Culvert
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	2	Culvert
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	2	Culvert
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Fair	
<b>Coating</b>	Poor	Worn away at bottom
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	2m
<b>Floor</b>	Fair	Rust
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 149 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-150	<b>Structure Name:</b>	G4-150	<b>Road Name:</b>	SUTHERLAND	<b>Inspection Date:</b>	2022/08/10
<b>Inlet</b>	Good	Beaver dam water directed to outside 1					
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Fair						
<b>Roof</b>	Good						
<b>Side Walls</b>	Fair						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	High water caused scour at outlet, beaver dam upstream. 1 of culvert has potential of piping								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	1	Required	Low	\$ 0.00	could benefit with fish improvement work through Blackwater Gold Projects

<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	1	Upstream beaver dam could cause piping

<b>GENERAL</b>	<b>Inspector's Comment:</b>	could benefit with fish improvement work through Blackwater Gold Projects
	<b>PEng's Comment:</b>	No concerns. BH

<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 150 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-150	<b>Structure Name:</b>	G4-150	<b>Road Name:</b>	SUTHERLAND	<b>Inspection Date:</b>	2022/08/10	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2033	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		54	<b>Design Load GVW (tonnes):</b>		54	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/11/23 09:00:28			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 151 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-133	<b>Structure Name:</b>	G4-133	<b>Road Name:</b>	DIPPER	<b>Inspection Date:</b>	2023/09/02
<b>KM:</b>	0.70	<b>User km:</b>	0.70	<b>Crossing Name:</b>	Un-named	<b>Next Inspection Date:</b>	2026/09/02
<b>Project File ID #:</b>	1795	<b>Br.</b>	06	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Open Bottom		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,000		<b>Outlet Cover (mm):</b>	1,000			
<b>Footing Type:</b>	Precast Concrete Footing		<b>Gradient (%):</b>	4.0			
<b>Culvert Length (metres):</b>	18.4	<b>Opening Height (mm):</b>	1,840	<b>Opening Width (mm):</b>	4,270		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	374970	<b>UTM Northing:</b>	6022920		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	2009			
<b>Access:</b>	Travel up the Sutherland FSR to 43 km. Turn left onto the Sutherland Dipper FSR and travel to 0.7 km						

### APPROACHES

<b>Alignment</b>	Good
<b>Bridge Ahead Signs Missing</b>	0
<b>Brushing Required</b>	Yes
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0
<b>Fender Condition</b>	None
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0
<b>Road Surface</b>	Good

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable
<b>Bolted Connections</b>	Good
<b>Coupled Connections</b>	Not Applicable
<b>Coating</b>	Good
<b>Embedment Materials</b>	Not Applicable
<b>Fill</b>	Good
<b>Floor</b>	Not Applicable
<b>Footing</b>	Good
<b>Head Wall</b>	Not Applicable

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 152 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-133	<b>Structure Name:</b>	G4-133	<b>Road Name:</b>	DIPPER	<b>Inspection Date:</b>	2023/09/02
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Good						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	1.4		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in very good shape overall

<b>GENERAL</b>	<b>PEng's Comment:</b>	Good. BH

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 153 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-133	<b>Structure Name:</b>	G4-133	<b>Road Name:</b>	DIPPER	<b>Inspection Date:</b>	2023/09/02
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2050	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	64	<b>Design Load GVW (tonnes):</b>	64	<b>Design Vehicle Config.:</b>	BCL62	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/10/31 15:47:33			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 154 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-140	<b>Structure Name:</b>	G4-927	<b>Road Name:</b>	SUTHERLAND	<b>Inspection Date:</b>	2022/08/16	
<b>KM:</b>	4.90	<b>User km:</b>	4.90	<b>Crossing Name:</b>	Angly Creek	<b>Next Inspection Date:</b>	2025/08/16	
<b>Project File ID #:</b>	1795	<b>Br.</b>	07	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated - Panels			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	15.2	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	15.2
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	387742		<b>UTM Northing:</b>	6005979	
<b>Inspector Name:</b>	Warren Wilikinson			<b>Year Superstructure Installed:</b>	2009			
<b>Access:</b>	Structure number changed from G4-140 to G4-927.							

### ABUTMENTS

<b>Bearings</b>	Fair	not centered on sills both sides
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	sills
<b>Fill</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Piles or Posts</b>	Not Applicable	cement blocks
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	up chain hill / corner
<b>Bridge Ahead Signs Missing</b>	1	down chain
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	68	up chain only

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 155 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-140	<b>Structure Name:</b>	G4-927	<b>Road Name:</b>	SUTHERLAND	<b>Inspection Date:</b>	2022/08/16
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<b>Road Surface</b>	Fair	
<b>DECK</b>		
<b>Span 1</b>		
<b>Curb Rail/Blocks/Posts</b>	Good	
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Good	
<b>Running Planks</b>	Good	
<b>Sub Deck</b>	Good	
<b>Ties</b>	Good	

<b>SUPERSTRUCTURE</b>		
<b>Span 1</b>		
<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Not Applicable	welded
<b>Under Trussing</b>	Good	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	2.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	2	Required	High	\$ 500.00	add bridge ahead sign and weight limit signs

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 156 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-140	<b>Structure Name:</b>	G4-927	<b>Road Name:</b>	SUTHERLAND	<b>Inspection Date:</b>	2022/08/16
<b>MONITORS</b>	#	Description					
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	Bearing not centered on sills on both sides. P.Eng. Inspection in 2023 to examine bearings. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2024	<b>Estimated Replacement (year):</b>		
	<b>Current Inspection Load Rating:</b>	68	<b>Design Load GVW (tonnes):</b>	68	<b>Design Vehicle Config.:</b>	L75	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/23 08:50:06			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 157 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-160	Structure Name:	G4-160	Road Name:	SUTHERLAND	Inspection Date:	2022/08/10
KM:	29.70	User km:	23.32	Crossing Name:	Peta Creek	Next Inspection Date:	2025/08/10
Project File ID #:	1795	Br.	07	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Gravel			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Concrete Precast	
Superstructure:	Concrete Slab Girders				Right	Concrete Precast	
Total Length (metres):	8.0	# Spans:	1	Span Width:		Span Length(s) (metres):	8
UTM Zone:	10		UTM Easting:	381427		UTM Northing:	6008008
Inspector Name:	Warren Wilikinson			Year Superstructure Installed:	2000		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Concrete Precast	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	part of ballast wall
Fill	Good	
Hardware	Not Applicable	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	2	
Delineator Missing Left (approaching structure)	2	
Delineator Missing Right (approaching structure)	2	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Fair	

### Corporate Bridge Register (CBR)

- Disclaimer:
- Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 158 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-160	Structure Name:	G4-160	Road Name:	SUTHERLAND	Inspection Date:	2022/08/10
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Unrated	N/A
Gravel Deck Depth (metres)	1	
Grout Pockets	Not Applicable	
Hardware	Not Applicable	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Not Applicable	
Hardware	Not Applicable	
Welded/grouted shear connectors	Not Applicable	

CHANNEL	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	0.5
	Estimated High Water Level Clearance:	1.0		

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

REPAIRS	#	Status	Priority	Estimate	Description
	1	Required	High	\$ 500.00	bridge ahead sign
2	Required	High	\$ 500.00	weight signs x2	

MONITORS	#	Description

GENERAL	Inspector's Comment:	slab bridge with backfilled running surface
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 159 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-160	<b>Structure Name:</b>	G4-160	<b>Road Name:</b>	SUTHERLAND	<b>Inspection Date:</b>	2022/08/10
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH					
	<b>Estimated Load Restriction (year):</b>	2050		<b>Estimated Replacement (year):</b>			
<b>GENERAL</b>	<b>Current Inspection Load Rating:</b>	68	<b>Design Load GVW (tonnes):</b>	68	<b>Design Vehicle Config.:</b>	L75	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/23 11:35:51			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 160 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-139	Structure Name:	G4-139	Road Name:	SUTHERLAND	Inspection Date:	2023/08/30
KM:	1.90	User km:		Crossing Name:	Un-named	Next Inspection Date:	2026/08/30
Project File ID #:	1795	Br.	07	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Steel			Running Surface:	Anti-skid		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel Box Beam				Right	Concrete Lock Blocks	
Total Length (metres):	12.2	# Spans:	1	Span Width:		Span Length(s) (metres):	12.2
UTM Zone:	10	UTM Easting:	390504	UTM Northing:	6005458		
Inspector Name:	John Brett		Year Superstructure Installed:	2009			
Access:	Travel to 12.8 on the Sutherland FSR and turn left onto the Sutherland Oona FSR. Travel to 1.9 km						

### ABUTMENTS

Bearings	Fair	
Bracing	Not Applicable	
Ballast Wall	Good	
Concrete Lock Blocks	Fair	Some have settled leaving a 2 inch gap between cap and blocks
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	1	
Delineator Missing Right (approaching structure)	1	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	68	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 161 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-139	<b>Structure Name:</b>	G4-139	<b>Road Name:</b>	SUTHERLAND	<b>Inspection Date:</b>	2023/08/30			
<b>Road Surface</b>	Good									
<b>DECK</b>										
<b>Span 1</b>										
<b>Curb Rail/Blocks/Posts</b>	Good									
<b>Hardware</b>	Not Applicable									
<b>Hand Rails/Walkouts</b>	Not Applicable									
<b>Overall Deck Condition</b>	Good	Wood debris on deck								
<b>Running Surface</b>	Good									
<b>Steel Deck Plate</b>	Good	Anti skid worn on wheel tracks								
<b>SUPERSTRUCTURE</b>										
<b>Span 1</b>										
<b>Bracing</b>	Not Applicable									
<b>Diaphragms</b>	Good									
<b>Girders</b>	Good									
<b>Hardware</b>	Not Applicable									
<b>Under Trussing</b>	Not Applicable									
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.0			<b>Estimated Present Water Level Width:</b>	0.0				
	<b>Estimated High Water Level Clearance:</b>	0.8								
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	Low clearance structure however appears to provide adequate clearance for flows.								
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>					
	2	Required	Low	\$ 400.00	Add one left and one right delineator					
	3	Required	Low	\$ 500.00	Clear wood debris from deck					
<b>MONITORS</b>	<b>#</b>	<b>Description</b>								
	2	Monitor right side lock block abutment. See measurements taken in 2023								

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 162 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-139	<b>Structure Name:</b>	G4-139	<b>Road Name:</b>	SUTHERLAND	<b>Inspection Date:</b>	2023/08/30
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is a low clearance portable bridge. Monitor item appears to be consistent with previous inspections. Lock Block settlement measured as 2 inches by measuring gap between timber cap and top surface of lock blocks. Structure in good shape otherwise. If deemed a concern by PEng then could rebuild lock block abutments to eliminate gap. Currently load rated at 68t. PEng to assess if lock block settlement warrants a reduced load rating.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Good. Monitor lock block movement. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2039	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	68	<b>Design Load GVW (tonnes):</b>	68	<b>Design Vehicle Config.:</b>	L75	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/10 14:59:32			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 163 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-145	<b>Structure Name:</b>	G4-123	<b>Road Name:</b>	ANGLY	<b>Inspection Date:</b>	2023/09/02	
<b>KM:</b>	3.60	<b>User km:</b>	3.60	<b>Crossing Name:</b>	Angly Creek	<b>Next Inspection Date:</b>	2026/09/02	
<b>Project File ID #:</b>	1795	<b>Br.</b>	08	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	9.1	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	9
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	390461		<b>UTM Northing:</b>	6010122	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2013			
<b>Access:</b>	Turn right at km 17 on the Sutherland FSR.							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Fair	Middle block on left abutment has settled 1.5 inches
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 164 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-145	Structure Name:	G4-123	Road Name:	ANGLY	Inspection Date:	2023/09/02
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Road Surface	Fair
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good
Deck to Girder Bolts	Good
Hardware	Good
Hand Rails/Walkouts	Not Applicable
Nails	Good
Overall Deck Condition	Good
Running Planks	Good
Sub Deck	Good
Ties	Good

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	2.5
	Estimated High Water Level Clearance:	1.8		

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

REPAIRS	#	Status	Priority	Estimate	Description

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 165 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-145	Structure Name:	G4-123	Road Name:	ANGLY	Inspection Date:	2023/09/02
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<b>MONITORS</b>	#	Description
	2	Monitor middle lock block on left abutment. Currently settled 1.5 inches

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in good shape overall. Middle block on the left bank abutment has settled 1.5 inches. Girders / Bearings bear on cap over lock blocks on either side of the settled block. Monitor block settlement. Otherwise structure is good. PEng to assess lock block settlement and make recommendations.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Good. Monitor lock block settlement. BH
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2045	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/10/30 14:35:11		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 166 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-148	<b>Structure Name:</b>	G4-148	<b>Road Name:</b>	ANGLY	<b>Inspection Date:</b>	2023/09/02
<b>KM:</b>	4.00	<b>User km:</b>	4.10	<b>Crossing Name:</b>	Unnamed Creek	<b>Next Inspection Date:</b>	2026/09/02
<b>Project File ID #:</b>	1795	<b>Br.</b>	08	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Open Bottom		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	480		<b>Outlet Cover (mm):</b>	670			
<b>Footing Type:</b>	Steel Footing		<b>Gradient (%):</b>	5.4			
<b>Culvert Length (metres):</b>	12.2	<b>Opening Height (mm):</b>	1,030	<b>Opening Width (mm):</b>	1,930		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	390582	<b>UTM Northing:</b>	6010484		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	2020			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Fair	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Fair	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Fair	
<b>Floor</b>	Not Applicable	
<b>Footing</b>	Poor	Scoured
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 167 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-148	<b>Structure Name:</b>	G4-148	<b>Road Name:</b>	ANGLY	<b>Inspection Date:</b>	2023/09/02
<b>Inlet</b>	Poor	Footings scoured and fill eroding					
<b>Outlet</b>	Fair						
<b>Overall</b>	Poor	Footings scoured subsgtentially, fill eroded at inlet					
<b>Riprap</b>	Fair						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.4	<b>Estimated Present Water Level Width:</b>	1.4
	<b>Estimated High Water Level Clearance:</b>	0.2		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	Structue too small for creek								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	4	Required	Medium	\$	Replace structure

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure appears to be undersized for the creek. Footings are substantially scoured and there is gravel fill eroding on the inlet side. Site should be assessed by a PEng and repalced with a structure with adequate clearance. OK for light traffic in the meantime.
	<b>PEng's Comment:</b>	P.Eng inspection required due to undermining. BH

<b>GENERAL</b>	<b>PEng's Comment:</b>	P.Eng inspection required due to undermining. BH

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 168 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-148	<b>Structure Name:</b>	G4-148	<b>Road Name:</b>	ANGLY	<b>Inspection Date:</b>	2023/09/02
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2035	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b> L100
	<b>Professional Inspection Required?</b>	Yes	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/10/30 15:06:26		

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 169 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-146	Structure Name:	G4-921	Road Name:	ANGLY	Inspection Date:	2021/07/09
KM:	7.30	User km:	7.30	Crossing Name:	Un-named	Next Inspection Date:	2024/07/09
Project File ID #:	1795	Br.	08	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Sill -Temporary Materials	
Superstructure:	Steel I-beam				Right	Sill -Temporary Materials	
Total Length (metres):	15.2	# Spans:	1	Span Width:			Span Length(s) (metres): 15.2
UTM Zone:	10		UTM Easting:	393494		UTM Northing:	6011692
Inspector Name:	Dawson Smith			Year Superstructure Installed:	2009		
Access:	Travel up the Sutherland FSR to 17 km and turn right onto the Sutherland Angly FSR. Travel to 7.3 km						

### ABUTMENTS

Bearings	Not Applicable
Bracing	Not Applicable
Ballast Wall	Good
Corrosion Protection	Not Applicable
Caps or Sills	Good
Fill	Good
Hardware	Not Applicable
Piles or Posts	Not Applicable
Riprap	Fair
Wing Wall	Not Applicable

### APPROACHES

Alignment	Good
Bridge Ahead Signs Missing	0
Brushing Required	Yes
Delineator Missing Left (approaching structure)	0
Delineator Missing Right (approaching structure)	0
Fender Condition	Good
Posted Load Rating (Enter 0 if sign missing)	91
Road Surface	Good

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 170 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-146	Structure Name:	G4-921	Road Name:	ANGLY	Inspection Date:	2021/07/09
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Not Applicable	(GOOD GZ)
Sub Deck	Good	(N/A GZ)
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	1.0
Estimated High Water Level Clearance:	1.0		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 171 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-146	<b>Structure Name:</b>	G4-921	<b>Road Name:</b>	ANGLY	<b>Inspection Date:</b>	2021/07/09
<b>GENERAL</b>	<b>Inspector's Comment:</b>	No significant issues. GZ					
<b>GENERAL</b>	<b>PEng's Comment:</b>						
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2024		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/02 14:22:00			

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 172 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-147	<b>Structure Name:</b>	G4-922	<b>Road Name:</b>	ANGLY	<b>Inspection Date:</b>	2023/09/02
<b>KM:</b>	9.00	<b>User km:</b>	9.00	<b>Crossing Name:</b>	Un-named	<b>Next Inspection Date:</b>	2025/09/02
<b>Project File ID #:</b>	1795	<b>Br.</b>	08	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Sill -Temporary Materials	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Sill -Temporary Materials	
<b>Total Length (metres):</b>	18.3	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	18.3
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	394763		<b>UTM Northing:</b>	6012971
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2009		
<b>Access:</b>	Travel up the Sutherland FSR to 17 km and turn right onto the Sutherland Angly FSR. Travel to 9 km.						

### ABUTMENTS

<b>Bearings</b>	Fair
<b>Bracing</b>	Not Applicable
<b>Ballast Wall</b>	Fair
<b>Corrosion Protection</b>	Not Applicable
<b>Caps or Sills</b>	Fair
<b>Fill</b>	Good
<b>Hardware</b>	Good
<b>Piles or Posts</b>	Not Applicable
<b>Riprap</b>	Not Applicable
<b>Wing Wall</b>	Not Applicable

### APPROACHES

<b>Alignment</b>	Good
<b>Bridge Ahead Signs Missing</b>	0
<b>Brushing Required</b>	No
<b>Delineator Missing Left (approaching structure)</b>	0
<b>Delineator Missing Right (approaching structure)</b>	0
<b>Fender Condition</b>	Good
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0
<b>Road Surface</b>	Fair

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 173 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-147	Structure Name:	G4-922	Road Name:	ANGLY	Inspection Date:	2023/09/02
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	2.5
Estimated High Water Level Clearance:	1.5		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 174 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-147	<b>Structure Name:</b>	G4-922	<b>Road Name:</b>	ANGLY	<b>Inspection Date:</b>	2023/09/02
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in fair shape overall. The retaining walls in front of the abutments are in fair condition. The sill logs and ballast logs show some rot and fire damage. Structure is ok for pickup access but should be rebuilt for industrial hauling including replacement of sills and ballast walls. Bridge condition is consistent with previous monitoring items. No new monitors added.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Good. If sill condition worsens the bridge may be downrated. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2024		<b>Estimated Replacement (year):</b>	2024		
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/10/30 15:40:47			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 175 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-210	<b>Structure Name:</b>	G4-933	<b>Road Name:</b>	ANGLY 900 FSR	<b>Inspection Date:</b>	2022/08/03	
<b>KM:</b>	4.60	<b>User km:</b>	4.60	<b>Crossing Name:</b>	Unnamed Creek	<b>Next Inspection Date:</b>	2025/08/03	
<b>Project File ID #:</b>	1795	<b>Br.</b>	12	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated - Panels			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	12.2	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	12.2
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	391581		<b>UTM Northing:</b>	6015035	
<b>Inspector Name:</b>	Warren Wilikinson			<b>Year Superstructure Installed:</b>	2014			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Fair	not sitting square on sills
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Poor	Un peeled pine - rot / ants
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	Sills
<b>Fill</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Not Applicable	
<b>Wing Wall</b>	Good	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	1	up chain missing
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	1	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Poor	Portions burnt from previous wildfire fire
<b>Posted Load Rating (Enter 0 if sign missing)</b>	68	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 176 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b> G4-210	<b>Structure Name:</b> G4-933	<b>Road Name:</b> ANGLY 900 FSR	<b>Inspection Date:</b> 2022/08/03
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<b>Road Surface</b>	Poor	Wilderness level
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### DECK

Span 1		
Curb Rail/Blocks/Posts	Good	na
Deck to Girder Bolts	Good	clips
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Fair	Starting to wear
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

Span 1		
Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Not Applicable	
Under Trussing	Good	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	0.5
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	1	Required	High		Bridge ahead sign
	2	Required	High		left delineator
	3	Required	High		Install new Fenders

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 177 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-210	Structure Name:	G4-933	Road Name:	ANGLY 900 FSR	Inspection Date:	2022/08/03
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MONITORS	#	Description
	1	Ballast wall rotten / ants
	2	fire blowdown may occur in future

GENERAL	Inspector's Comment:	Deck is starting to wear.
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GENERAL	PEng's Comment:	No concerns. BH
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GENERAL	Estimated Load Restriction (year):	2030	Estimated Replacement (year):			
	Current Inspection Load Rating:	68	Design Load GVW (tonnes):	68	Design Vehicle Config.:	
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/12/01 10:54:14		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 178 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-131	Structure Name:	G4-909	Road Name:	DUNCAN	Inspection Date:	2022/08/10
KM:	4.20	User km:	0.00	Crossing Name:	Duncan Creek	Next Inspection Date:	2025/08/10
Project File ID #:	1795	Br.	13	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Treated			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Sill - Permanent Materials	
Superstructure:	Steel I-beam				Right	Sill - Permanent Materials	
Total Length (metres):	12.0	# Spans:	1	Span Width:		Span Length(s) (metres):	12
UTM Zone:	10	UTM Easting:	381584	UTM Northing:	6017179		
Inspector Name:	Warren Wilkinson		Year Superstructure Installed:	2011			
Access:							

### ABUTMENTS

Bearings	Good	lots of debris hard to see
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	left side barried under debris
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	cannot see
Riprap	Not Applicable	
Wing Wall	Fair	some rot found both sides old foundation 1

### APPROACHES

Alignment	Good	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	1	Left upstream
Fender Condition	Fair	Narrow Approach
Posted Load Rating (Enter 0 if sign missing)	91	
Road Surface	Fair	

### DECK

#### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 179 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-131	<b>Structure Name:</b>	G4-909	<b>Road Name:</b>	DUNCAN	<b>Inspection Date:</b>	2022/08/10
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### Span 1

<b>Curb Rail/Blocks/Posts</b>	Fair	some rot found1 curb lose some brackets damaged where they attach to ties
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Fair	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	good
<b>Overall Deck Condition</b>	Fair	
<b>Running Planks</b>	Good	one board lifting up at end
<b>Sub Deck</b>	Good	creasode
<b>Ties</b>	Good	some ends damaged

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Under Trussing</b>	Good	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.5	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	2.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	4	Required	Low	\$ 0.00	Install delineator Left side upstream.

<b>MONITORS</b>	#	Description

### Corporate Bridge Register (CBR)

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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 180 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-131	<b>Structure Name:</b>	G4-909	<b>Road Name:</b>	DUNCAN	<b>Inspection Date:</b>	2022/08/10
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	No major concerns. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2030		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/01 10:26:11			

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 181 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-134	Structure Name:	G4-134	Road Name:	DUNCAN	Inspection Date:	2021/07/09
KM:	14.70	User km:	43.50	Crossing Name:	unnamed	Next Inspection Date:	2024/07/09
Project File ID #:	1795	Br.	13	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Open Bottom		Culvert Material:	Corrugated Steel			
Inlet Cover (mm):	3,000		Outlet Cover (mm):	3,000			
Footing Type:	Precast Concrete Footing		Gradient (%):	4.0			
Culvert Length (metres):	22.0	Opening Height (mm):	1,840	Opening Width (mm):	4,270		
UTM Zone:	10	UTM Easting:	375282	UTM Northing:	6023159		
Inspector Name:	Dawson Smith		Year Superstructure Installed:	2009			
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Good	
Coupled Connections	Not Applicable	
Coating	Good	
Embedment Materials	Good	
Fill	Good	
Floor	Not Applicable	
Footing	Not Applicable	
Head Wall	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 182 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-134	<b>Structure Name:</b>	G4-134	<b>Road Name:</b>	DUNCAN	<b>Inspection Date:</b>	2021/07/09
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	0.5
	<b>Estimated High Water Level Clearance:</b>	2.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Poor pictures but no issues. GZ
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<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH
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### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 183 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-134	<b>Structure Name:</b>	G4-134	<b>Road Name:</b>	DUNCAN	<b>Inspection Date:</b>	2021/07/09
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	64	<b>Design Load GVW (tonnes):</b>	64	<b>Design Vehicle Config.:</b>	BCL62	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/02 14:05:48			

### Corporate Bridge Register (CBR)

Disclaimer:  
 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.  
 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 184 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-232	<b>Structure Name:</b>	G5-298	<b>Road Name:</b>	SUTHERLAND	<b>Inspection Date:</b>	2023/09/02	
<b>KM:</b>	10.50	<b>User km:</b>	0.00	<b>Crossing Name:</b>	Unknown	<b>Next Inspection Date:</b>	2026/09/02	
<b>Project File ID #:</b>	1795	<b>Br.</b>	17	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Steel Pipe and Precast Pad		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Steel Pipe and Precast Pad		
<b>Total Length (metres):</b>	15.2	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	15.2
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	377027		<b>UTM Northing:</b>	6029840	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2018			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	1	
<b>Delineator Missing Right (approaching structure)</b>	1	
<b>Fender Condition</b>	Fair	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	
<b>Road Surface</b>	Fair	Soft. eroding in spots

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 185 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-232	Structure Name:	G5-298	Road Name:	SUTHERLAND	Inspection Date:	2023/09/02
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
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:	2.5		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
4	Required	Low	\$ 500.00	Add one right and one left delineator
5	Required	Medium	\$	Reconstruct approach fills where eroded. 25 cubic meters of granular fill.

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 186 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-232	Structure Name:	G5-298	Road Name:	SUTHERLAND	Inspection Date:	2023/09/02
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	This structure is in good shape overall. Soft approach soils has allowed one fender to settle and lean to the outside. There is also some material eroded from beneath other approach fenders.				
	PEng's Comment:	Reposition fender. Looks good. BH				
<b>GENERAL</b>	Estimated Load Restriction (year):	2030	Estimated Replacement (year):			
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2023/11/10 14:53:06		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 187 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-231	<b>Structure Name:</b>	G1-910	<b>Road Name:</b>	SUTHERLAND	<b>Inspection Date:</b>	2023/09/02	
<b>KM:</b>	8.10	<b>User km:</b>	0.00	<b>Crossing Name:</b>	Unknown	<b>Next Inspection Date:</b>	2026/09/02	
<b>Project File ID #:</b>	1795	<b>Br.</b>	17	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	20.3	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	20
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	377949		<b>UTM Northing:</b>	6028232	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2019			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Good	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 188 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-231	<b>Structure Name:</b>	G1-910	<b>Road Name:</b>	SUTHERLAND	<b>Inspection Date:</b>	2023/09/02
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<b>Road Surface</b>	Good	Fines from right bank wash onto bridge deck
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### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Good	
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Good	Ssome hardware missing - details in repairs section
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Good	
<b>Running Planks</b>	Excellent	
<b>Sub Deck</b>	Good	
<b>Ties</b>	Good	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	4.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	11	Required	Medium	\$	5 long bolts requirea washer and nut on the downstream guardrail

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 189 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-231	Structure Name:	G1-910	Road Name:	SUTHERLAND	Inspection Date:	2023/09/02
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MONITORS	#	Description
GENERAL	<b>Inspector's Comment:</b>	Structure is in good shape overall. Due to the right bank approach gradient, fine material tends to wash onto the bridge deck. several hardware pieces were found to be missing in the guardrail. Bridge is set on soft bearing soils however no settlement of lock blocks noted during the inspection.
	<b>PEng's Comment:</b>	Looks good. BH
GENERAL	<b>Estimated Load Restriction (year):</b> 2029	
	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b> 68	<b>Design Load GVW (tonnes):</b> 91
	<b>Design Vehicle Config.:</b> L100	
	<b>Professional Inspection Required?</b> No	<b>Report Status:</b> Reviewed By Bruce Henderson on 2023/11/10 14:48:26

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 190 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-230	Structure Name:	G5-810	Road Name:	SUTHERLAND	Inspection Date:	2023/09/02
KM:	5.88	User km:	0.00	Crossing Name:	Unknown	Next Inspection Date:	2026/09/02
Project File ID #:	1795	Br.	17	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel I-beam				Right	Concrete Lock Blocks	
Total Length (metres):	24.4	# Spans:	1	Span Width:		Span Length(s) (metres):	24.4
UTM Zone:	10		UTM Easting:	379313		UTM Northing:	6027629
Inspector Name:	John Brett			Year Superstructure Installed:	2018		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Concrete Lock Blocks	Good	left bank spread footing has 2 voids
Corrosion Protection	Good	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Brushing Required	No	
Delineator Missing Left (approaching structure)	1	
Delineator Missing Right (approaching structure)	2	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	63.5	
Road Surface	Good	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 191 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G4-230 Structure Name: G5-810 Road Name: SUTHERLAND Inspection Date: 2023/09/02

### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Fair	missing hardware. see repair notes
Deck Joints	Good	
Grout Pockets	Not Applicable	
Hardware	Good	existin hardware is good. some missing
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	1.5
	Estimated High Water Level Clearance:	6.0		

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

REPAIRS	#	Status	Priority	Estimate	Description
	1	Required	Low	\$ 500.00	Replace damaged bracket - one piece of 10x10 x 30 inch Fd
2	Required	Medium	\$	Installation of 12 - 3/4 by 34 inch bolts with timber washer and nut.KInstallation of 1 - 1 x 12 inch bolt with timber washer for bracket. Guardrail hardware missing	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 192 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-230	Structure Name:	G5-810	Road Name:	SUTHERLAND	Inspection Date:	2023/09/02
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MONITORS	#	Description

  

GENERAL	Inspector's Comment:	Structure is in good shape overall. The footing monitor was measured and found to have 6 inch void on the donstream side and 3 inch void on the upstream side under the left bank spread footing. Also noted is there are 12 long 3/4 inch bolts missing from the guardrail assembly. Several brakets and risers only have one long bolt running through the rail, riser and bracket. the upstream left bank bracket also is missing a 1 x 12 inch bolt and washer.
	GENERAL	PEng's Comment:

  

GENERAL	Estimated Load Restriction (year):		2026	Estimated Replacement (year):		
	Current Inspection Load Rating:	64	Design Load GVW (tonnes):	64	Design Vehicle Config.:	BCL62
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2023/11/10 14:44:22		

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 193 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-161	<b>Structure Name:</b>	G5-161	<b>Road Name:</b>	HAT	<b>Inspection Date:</b>	2023/09/02
<b>KM:</b>	5293.00	<b>User km:</b>	5.20	<b>Crossing Name:</b>	Un-named	<b>Next Inspection Date:</b>	2026/09/02
<b>Project File ID #:</b>	6057	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Open Bottom		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,900		<b>Outlet Cover (mm):</b>	2,100			
<b>Footing Type:</b>	Steel Footing		<b>Gradient (%):</b>	2.0			
<b>Culvert Length (metres):</b>	28.0	<b>Opening Height (mm):</b>	2,500	<b>Opening Width (mm):</b>	3,400		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	420713	<b>UTM Northing:</b>	6069554		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	2019			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Unrated	flooded
<b>Fill</b>	Good	
<b>Floor</b>	Not Applicable	
<b>Footing</b>	Unrated	flooded
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 194 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-161	<b>Structure Name:</b>	G5-161	<b>Road Name:</b>	HAT	<b>Inspection Date:</b>	2023/09/02
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	2.5
	<b>Estimated High Water Level Clearance:</b>	0.8		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	1	Beaver activity, currently small dam upstream, see photos

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is on a low flow, low gradient creek prone to flooding due to beaver activity. Currently there is one dam constructed upstream of the culvert. Due to water levels it was difficult to see into the culvert.
	<b>PEng's Comment:</b>	Ok. BH

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is on a low flow, low gradient creek prone to flooding due to beaver activity. Currently there is one dam constructed upstream of the culvert. Due to water levels it was difficult to see into the culvert.
	<b>PEng's Comment:</b>	Ok. BH

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 195 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-161	<b>Structure Name:</b>	G5-161	<b>Road Name:</b>	HAT	<b>Inspection Date:</b>	2023/09/02
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2064	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/02 09:13:42			

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 196 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-160	<b>Structure Name:</b>	G5-160A	<b>Road Name:</b>	HAT	<b>Inspection Date:</b>	2022/10/21
<b>KM:</b>	4.00	<b>User km:</b>	42.90	<b>Crossing Name:</b>	Tezzeron Creek	<b>Next Inspection Date:</b>	2025/10/21
<b>Project File ID #:</b>	6057	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Concrete		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials	
<b>Total Length (metres):</b>	36.6	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b> 36
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	421930		<b>UTM Northing:</b>	6070343
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2015		
<b>Access:</b>	42.9 km Germanson Hat FSR @ 39 km North Road						

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	one bullnose out of place
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 197 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-160	Structure Name:	G5-160A	Road Name:	HAT	Inspection Date:	2022/10/21
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.6	Estimated Present Water Level Width:	12.0
Estimated High Water Level Clearance:	2.5		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
4	Required	Low	\$ 500.00	realign bullnose section of fender

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 198 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-160	<b>Structure Name:</b>	G5-160A	<b>Road Name:</b>	HAT	<b>Inspection Date:</b>	2022/10/21
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in very good shape overall. One fender bullnose has been hit and knocked out of place.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2060	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 15:47:05			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 199 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-150	<b>Structure Name:</b>	G5-150	<b>Road Name:</b>	CRIPPLE	<b>Inspection Date:</b>	2022/10/21
<b>KM:</b>	13.00	<b>User km:</b>	413.00	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2025/10/21
<b>Project File ID #:</b>	6057	<b>Br.</b>	03	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,000		<b>Outlet Cover (mm):</b>	1,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	19.0	<b>Opening Height (mm):</b>	3,000	<b>Opening Width (mm):</b>	3,000		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	436365	<b>UTM Northing:</b>	6082216		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	1984			
<b>Access:</b>	3 major culverts at this site. Inspection includes all 3 pipes.						

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Excellent	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Good	Rivets
<b>Coupled Connections</b>	Not Applicable	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 200 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-150	<b>Structure Name:</b>	G5-150	<b>Road Name:</b>	CRIPPLE	<b>Inspection Date:</b>	2022/10/21
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	8.0
	<b>Estimated High Water Level Clearance:</b>	0.4		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	Beavers, small bit of wood debris on right bank culvert inlet								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	1	Required	Medium	\$	remove beaver dams from inlet of culvert one and two
	2	Required	Low	\$ 0.00	site could benefit with fish improvement project through Blackwater gold habitat improvement project

<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	3	Beaver Activity, currently dams at inlet of 2 culverts and just downstream of structure

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Site consists of 3 culverts. Only one file in CBR however, This inspection sheet will pertain to the condition of all 3 culverts at the site. Monitor item added for beaver activity.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Consider replacing culverts to improve fish habitat. BH
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### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 201 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-150	<b>Structure Name:</b>	G5-150	<b>Road Name:</b>	CRIPPLE	<b>Inspection Date:</b>	2022/10/21	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2034	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		68	<b>Design Load GVW (tonnes):</b>		54	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 15:46:33				

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 202 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-151	<b>Structure Name:</b>	G5-151A	<b>Road Name:</b>	CRIPPLE	<b>Inspection Date:</b>	2023/09/02
<b>KM:</b>	26.50	<b>User km:</b>	426.50	<b>Crossing Name:</b>	Salmon River	<b>Next Inspection Date:</b>	2026/09/02
<b>Project File ID #:</b>	6057	<b>Br.</b>	03	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials	
<b>Total Length (metres):</b>	16.7	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	16
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	448687		<b>UTM Northing:</b>	6084435
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2016		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	1	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 203 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G5-151 Structure Name: G5-151A Road Name: CRIPPLE Inspection Date: 2023/09/02

### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Poor	Majority are worn
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.4	Estimated Present Water Level Width:	5.0
Estimated High Water Level Clearance:	1.8		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
4	Required	Medium	\$	Replace wear deck in wheel tracks. Will require 10 rows of 3 inch by 10 inch timbers for entire length of structure.

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 204 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-151	<b>Structure Name:</b>	G5-151A	<b>Road Name:</b>	CRIPPLE	<b>Inspection Date:</b>	2023/09/02
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in good shape overall. wear planks on wheel tracks are quite worn and should be replaced.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Replace running deck. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2051	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>		<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/10/31 13:41:07			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 205 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-170	Structure Name:	G5-170	Road Name:	INDATA	Inspection Date:	2021/09/22
KM:	2.40	User km:	0.00	Crossing Name:	Unnamed creek	Next Inspection Date:	2024/09/22
Project File ID #:	6057	Br.	04	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	2,000			Outlet Cover (mm):	2,000		
Footing Type:				Gradient (%):	1.0		
Culvert Length (metres):	21.0	Opening Height (mm):	2,000	Opening Width (mm):	2,000		
UTM Zone:	10	UTM Easting:	417676	UTM Northing:	6121617		
Inspector Name:	Dawson Smith			Year Superstructure Installed:	1990		
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Not Applicable	
Coupled Connections	Good	
Coating	Good	
Embedment Materials	Not Applicable	
Fill	Good	
Floor	Not Applicable	
Footing	Not Applicable	
Head Wall	Good	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 206 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-170	<b>Structure Name:</b>	G5-170	<b>Road Name:</b>	INDATA	<b>Inspection Date:</b>	2021/09/22
<b>Inlet</b>	Good	overflow pipe plugged					
<b>Outlet</b>	Good						
<b>Overall</b>	Fair						
<b>Riprap</b>	Not Applicable						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Good						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	1.5	<b>Estimated Present Water Level Width:</b>	1.5
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	3	Required	Medium	\$	Clean inlet of overflow pipe

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	overflow pipe plugged by beavers  Unable to confirm culvert ratings due to flooded channel. Note heavy rust in pictures on inside and outside of pipes. GZ
	<b>PEng's Comment:</b>	No major concerns. BH

<b>GENERAL</b>	<b>PEng's Comment:</b>	No major concerns. BH
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 207 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-170	<b>Structure Name:</b>	G5-170	<b>Road Name:</b>	INDATA	<b>Inspection Date:</b>	2021/09/22
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	54	<b>Design Load GVW (tonnes):</b>	54	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/05 11:22:51			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 208 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-174	<b>Structure Name:</b>	G5-174	<b>Road Name:</b>	INDATA	<b>Inspection Date:</b>	2021/09/08
<b>KM:</b>	13.10	<b>User km:</b>	12.30	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2024/09/08
<b>Project File ID #:</b>	6057	<b>Br.</b>	04	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,000		<b>Outlet Cover (mm):</b>	1,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>	1.0			
<b>Culvert Length (metres):</b>	16.0	<b>Opening Height (mm):</b>	1,600	<b>Opening Width (mm):</b>	1,600		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	408418	<b>UTM Northing:</b>	6121009		
<b>Inspector Name:</b>	Gary Zsombor		<b>Year Superstructure Installed:</b>	1990			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	Unrated	None
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Fair	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Unrated	Buried
<b>Head Wall</b>	Not Applicable	
<b>Inlet</b>	Good	
<b>Outlet</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 209 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-174	<b>Structure Name:</b>	G5-174	<b>Road Name:</b>	INDATA	<b>Inspection Date:</b>	2021/09/08
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<b>Overall</b>	Good
<b>Riprap</b>	Fair
<b>Roof</b>	Good
<b>Side Walls</b>	Good
<b>Trash Rack</b>	Not Applicable
<b>Wiers/Backwater Structures</b>	Not Applicable
<b>Wing Wall</b>	Not Applicable

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	3.2
	<b>Estimated High Water Level Clearance:</b>	0.4		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	Yes
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	
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<b>GENERAL</b>	<b>PEng's Comment:</b>	No major issues. BH
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2026	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	54	<b>Design Load GVW (tonnes):</b>	54
	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/06 13:58:11

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 210 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-174	<b>Structure Name:</b>	G5-174-2	<b>Road Name:</b>	INDATA	<b>Inspection Date:</b>	2021/09/08
<b>KM:</b>	13.10	<b>User km:</b>	12.30	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2024/09/08
<b>Project File ID #:</b>	6057	<b>Br.</b>	04	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Pipe Arch		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,500		<b>Outlet Cover (mm):</b>	1,600			
<b>Footing Type:</b>			<b>Gradient (%):</b>	1.0			
<b>Culvert Length (metres):</b>	16.0	<b>Opening Height (mm):</b>	1,500	<b>Opening Width (mm):</b>	1,500		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	408418	<b>UTM Northing:</b>	6121009		
<b>Inspector Name:</b>	Gary Zsombor		<b>Year Superstructure Installed:</b>	1990			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	Unrated	None
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Fair	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Head Wall</b>	Not Applicable	
<b>Inlet</b>	Fair	Large piece of riprap in front of inlet
<b>Outlet</b>	Good	
<b>Overall</b>	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 211 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-174	<b>Structure Name:</b>	G5-174-2	<b>Road Name:</b>	INDATA	<b>Inspection Date:</b>	2021/09/08
<b>Riprap</b>	Fair						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	3.2
	<b>Estimated High Water Level Clearance:</b>	0.4		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	Yes
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	3	Required	Medium		Remove large rock from inlet

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	
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<b>GENERAL</b>	<b>PEng's Comment:</b>	No major concerns.
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2025	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	
	<b>Design Vehicle Config.:</b>	L100	<b>Professional Inspection Required?</b>	No
	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/06 09:01:47		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 212 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-175	Structure Name:	G5-175	Road Name:	INDATA	Inspection Date:	2021/09/22
KM:	15.50	User km:	16.00	Crossing Name:	Unnamed creek	Next Inspection Date:	2024/09/22
Project File ID #:	6057	Br.	04	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	800			Outlet Cover (mm):	800		
Footing Type:				Gradient (%):			
Culvert Length (metres):	15.0	Opening Height (mm):	2,400	Opening Width (mm):	2,400		
UTM Zone:	10	UTM Easting:	406998	UTM Northing:	6118776		
Inspector Name:	Dawson Smith			Year Superstructure Installed:	1999		
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Not Applicable	
Coupled Connections	Good	
Coating	Good	
Embedment Materials	Not Applicable	
Fill	Good	
Floor	Not Applicable	
Footing	Not Applicable	
Head Wall	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 213 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-175	<b>Structure Name:</b>	G5-175	<b>Road Name:</b>	INDATA	<b>Inspection Date:</b>	2021/09/22
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Not Applicable						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.5	<b>Estimated Present Water Level Width:</b>	0.5
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	3	monitor beaver activity upstream

<b>GENERAL</b>	<b>Inspector's Comment:</b>	beaver dam approx. 10 yards up stream No issues. GZ
	<b>PEng's Comment:</b>	

<b>GENERAL</b>	<b>PEng's Comment:</b>	
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 214 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-175	<b>Structure Name:</b>	G5-175	<b>Road Name:</b>	INDATA	<b>Inspection Date:</b>	2021/09/22
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2040	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		54	<b>Design Load GVW (tonnes):</b>		54	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/02/06 09:24:14		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 215 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-171	Structure Name:	G5-171	Road Name:	INDATA	Inspection Date:	2021/09/22
KM:	18.80	User km:	18.80	Crossing Name:	Unnamed creek	Next Inspection Date:	2024/09/22
Project File ID #:	6057	Br.	04	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials	
Superstructure:	Steel I-beam				Right	Pile -Permanent Materials	
Total Length (metres):	15.7	# Spans:	1	Span Width:		Span Length(s) (metres):	15.7
UTM Zone:	10		UTM Easting:	404918		UTM Northing:	6118072
Inspector Name:	Dawson Smith			Year Superstructure Installed:	1999		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	2	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	1	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Poor	some out of place
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Fair	needs grading

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 216 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G5-171 Structure Name: G5-171 Road Name: INDATA Inspection Date: 2021/09/22

### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	need replaced
Deck Joints	Good	
Grout Pockets	Not Applicable	deck muddy
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Poor	riser blocks need replaced

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	1.0	Estimated Present Water Level Width:	2.0
Estimated High Water Level Clearance:	2.0		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
4	Required	High		Replace riser blocks
5	Required	Medium		Install bridge ahead signs both sides
7	Required	Medium		Install 1 delineator
8	Required	Medium		Reposition fenders

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 217 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-171	Structure Name:	G5-171	Road Name:	INDATA	Inspection Date:	2021/09/22
---------	--------	-----------------	--------	------------	--------	------------------	------------

<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	Riser blocks show significant decay, they need to be replaced No significant issues other than rotten riser blocks. GZ				
	PEng's Comment:					
<b>GENERAL</b>	Estimated Load Restriction (year):	2040	Estimated Replacement (year):			
	Current Inspection Load Rating:	68	Design Load GVW (tonnes):	68	Design Vehicle Config.:	L75
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/02/05 11:42:29		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 218 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-173	<b>Structure Name:</b>	G5-173	<b>Road Name:</b>	INDATA	<b>Inspection Date:</b>	2001/09/12
<b>KM:</b>	26.20	<b>User km:</b>	23.00	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2030/01/01
<b>Project File ID #:</b>	6057	<b>Br.</b>	04	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	500			<b>Outlet Cover (mm):</b>	500		
<b>Footing Type:</b>				<b>Gradient (%):</b>	1.5		
<b>Culvert Length (metres):</b>	18.0	<b>Opening Height (mm):</b>	1,600	<b>Opening Width (mm):</b>	1,600		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	417252	<b>UTM Northing:</b>	6121918		
<b>Inspector Name:</b>	Tim Silbernagel			<b>Year Superstructure Installed:</b>	1990		
<b>Access:</b>	Stay left at 25.1 km Junction with Chuchi Road. Minor culvert						

### APPROACHES

<b>Bridge Ahead Signs Missing</b>	2	No Comment Available -Converter.RNI
<b>Delineator Missing Left</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Delineator Missing Right</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0.0	No Comment Available -Converter.RNI
<b>Road Surface</b>	Good	No Comment Available -Converter.RNI

### CULVERT ELEMENT

<b>Coupled Connections</b>	Good	No Comment Available -Converter.RNI
<b>Coating</b>	Good	No Comment Available -Converter.RNI
<b>Fill</b>	Good	No Comment Available -Converter.RNI
<b>Floor</b>	Good	No Comment Available -Converter.RNI
<b>Inlet</b>	Good	No Comment Available -Converter.RNI
<b>Outlet</b>	Good	No Comment Available -Converter.RNI
<b>Riprap</b>	Good	No Comment Available -Converter.RNI
<b>Roof</b>	Good	No Comment Available -Converter.RNI
<b>Side Walls</b>	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 219 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-173	<b>Structure Name:</b>	G5-173	<b>Road Name:</b>	INDATA	<b>Inspection Date:</b>	2001/09/12
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>				<b>Estimated Present Water Level Width:</b>		
	<b>Estimated High Water Level Clearance:</b>		1.0				
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b> No
	<b>Aggradation:</b>	No					
<b>Comment:</b>							
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>		
	2	Suggested	Medium	\$ 0.00	Span: 1.0. Debris removal. Remove log at inlet.		
<b>MONITORS</b>	<b>#</b>	<b>Description</b>					
<b>GENERAL</b>	<b>Inspector's Comment:</b>	nullCulvert: 1 )log at inlet 2) 15 cm drop to small plunge pool.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2040	<b>Estimated Replacement (year):</b>		
	<b>Current Inspection Load Rating:</b>	54	<b>Design Load GVW (tonnes):</b>	54	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By IDIR\RMGETZLA on 2012/04/12 14:46:08			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 220 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-191	<b>Structure Name:</b>	R4-906	<b>Road Name:</b>	TSILCOH	<b>Inspection Date:</b>	2023/09/02
<b>KM:</b>	0.05	<b>User km:</b>	0.05	<b>Crossing Name:</b>	Unnamed Stream	<b>Next Inspection Date:</b>	2025/09/02
<b>Project File ID #:</b>	6057	<b>Br.</b>	05	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Steel			<b>Running Surface:</b>	Anti-skid		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks	
<b>Superstructure:</b>	Steel Box Beam				<b>Right</b>	Concrete Lock Blocks	
<b>Total Length (metres):</b>	12.2	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b> 12.1
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	425381		<b>UTM Northing:</b>	6070259
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2021		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	some sections knocked over but in good shape
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 221 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-191	Structure Name:	R4-906	Road Name:	TSILCOH	Inspection Date:	2023/09/02
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Road Surface	Excellent	
<b>DECK</b>		
<b>Span 1</b>		
Curb Rail/Blocks/Posts	Good	
Hardware	Not Applicable	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	
Steel Deck Plate	Good	
<b>SUPERSTRUCTURE</b>		
<b>Span 1</b>		
Bracing	Not Applicable	
Diaphragms	Good	
Girders	Good	
Hardware	Not Applicable	
Under Trussing	Not Applicable	

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.0	Estimated Present Water Level Width:	0.0
	Estimated High Water Level Clearance:	0.5		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:	Just a few puddles in the creek during inspection								

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	1	Required	Low	\$ 500.00	Install 2 left delineators
	2	Required	Low	\$	Reinstall approach fenders that were impacted. 2 sections

<b>MONITORS</b>	#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 222 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-191	<b>Structure Name:</b>	R4-906	<b>Road Name:</b>	TSILCOH	<b>Inspection Date:</b>	2023/09/02
<b>GENERAL</b>	<b>Inspector's Comment:</b>	This structure is in good shape overall. It is a low clearance structure over an ephemeral creek. A slight gap was noted between the timber cap and lock blocks. Does not appear to be significant enough to be concerned with at the moment. PEng to confirm and add monitor if required. Approach fender sections have been impacted and should be realigned.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Looks good. No need for P.Eng. Inspection at this time. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2066	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/14 16:06:58			

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 223 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-190	Structure Name:	G5-190	Road Name:	TSILCOH	Inspection Date:	2021/09/21
KM:	11.80	User km:	11.80	Crossing Name:	Tsilcoh River	Next Inspection Date:	2024/09/21
Project File ID #:	6057	Br.	05	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete Composite			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials	
Superstructure:	Steel I-beam				Right	Pile -Permanent Materials	
Total Length (metres):	18.3	# Spans:	1	Span Width:			Span Length(s) (metres): 18.3
UTM Zone:	10		UTM Easting:	435597		UTM Northing:	6072016
Inspector Name:	Dawson Smith			Year Superstructure Installed:	2002		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	2	
Brushing Required	No	
Delineator Missing Left (approaching structure)	2	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Poor	some out of place or missing
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Fair	needs grading

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 224 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-190	Structure Name:	G5-190	Road Name:	TSILCOH	Inspection Date:	2021/09/21
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	
Deck Joints	Good	
Grout Pockets	Not Applicable	(Rate as GOOD. GZ)
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	1.0	Estimated Present Water Level Width:	2.0
	Estimated High Water Level Clearance:	2.0		

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

REPAIRS	#	Status	Priority	Estimate	Description
	4	Required	High	\$ 0.00	Realign approach fenders
	5	Required	Medium		Install all 4 delineators
	6	Required	High		Install both bridge ahead signs
	8	Required	Medium	\$ 0.00	Grade approaches

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 225 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-190	<b>Structure Name:</b>	G5-190	<b>Road Name:</b>	TSILCOH	<b>Inspection Date:</b>	2021/09/21
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	No issues. GZ				
	<b>PEng's Comment:</b>	No concerns. BH				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2045	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/06 14:32:32		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 226 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-180	Structure Name:	G5-180	Road Name:	NORTH SALMON	Inspection Date:	2021/07/07
KM:	4.70	User km:	604.70	Crossing Name:	Salmon River	Next Inspection Date:	2024/07/07
Project File ID #:	6057	Br.	07	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Treated			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Binwall	
Superstructure:	Steel I-beam				Right	Binwall	
Total Length (metres):	16.0	# Spans:	1	Span Width:			Span Length(s) (metres): 16
UTM Zone:	10		UTM Easting:	446165		UTM Northing:	6088323
Inspector Name:	Warren Wilkinson			Year Superstructure Installed:	1991		
Access:							

### ABUTMENTS

Bearings	Good	
Binwall	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	Right Side corner, left side hill and corner
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	2	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Fair	
Posted Load Rating (Enter 0 if sign missing)	68	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 227 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-180	<b>Structure Name:</b>	G5-180	<b>Road Name:</b>	NORTH SALMON	<b>Inspection Date:</b>	2021/07/07
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<b>Road Surface</b>	Fair	
<b>DECK</b>		
<b>Span 1</b>		
<b>Curb Rail/Blocks/Posts</b>	Fair	Broken curb and post. Damaged curb
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Fair	
<b>Running Planks</b>	Good	Some wear from trucks with chains
<b>Sub Deck</b>	Good	Creosode
<b>Ties</b>	Good	

<b>SUPERSTRUCTURE</b>		
<b>Span 1</b>		
<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Good	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.6	<b>Estimated Present Water Level Width:</b>	4.0
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 228 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-180	Structure Name:	G5-180	Road Name:	NORTH SALMON	Inspection Date:	2021/07/07
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:					
	PEng's Comment:	No concerns. BH				
<b>GENERAL</b>	Estimated Load Restriction (year):	2031	Estimated Replacement (year):			
	Current Inspection Load Rating:	68	Design Load GVW (tonnes):	54	Design Vehicle Config.:	
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/02/06 14:13:18		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 229 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-183	Structure Name:	G5-919	Road Name:	TEZZERON	Inspection Date:	2021/09/22
KM:	6.30	User km:	6.30	Crossing Name:	Unnamed	Next Inspection Date:	2024/09/22
Project File ID #:	6057	Br.	14	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Treated - Panels			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel I-beam				Right	Concrete Lock Blocks	
Total Length (metres):	12.2	# Spans:	1	Span Width:		Span Length(s) (metres):	12.2
UTM Zone:	10		UTM Easting:	412526	UTM Northing:	6057091	
Inspector Name:	Dawson Smith			Year Superstructure Installed:	1999		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Concrete Lock Blocks	Good	
Concrete Precast	Unrated	Lock blocks, good
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 230 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-183	Structure Name:	G5-919	Road Name:	TEZZERON	Inspection Date:	2021/09/22
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Posted Load Rating (Enter 0 if sign missing)	68	
Road Surface	Fair	needs grading

### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.0	Estimated Present Water Level Width:	0.0
	Estimated High Water Level Clearance:	1.0		

HAZARDS	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:	beaver dam under structure								

REPAIRS	#	Status	Priority	Estimate	Description
	2	Required	Medium	\$ 0.00	Remove Beaver dam
	3	Required	Medium	\$ 0.00	Repair approach fill.

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 231 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-183	<b>Structure Name:</b>	G5-919	<b>Road Name:</b>	TEZZERON	<b>Inspection Date:</b>	2021/09/22
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MONITORS	#	Description				
GENERAL	<b>Inspector's Comment:</b>	beaver dam under structure No significant issues other than beaver dam. GZ				
	<b>PEng's Comment:</b>	No concerns. BH				
GENERAL	<b>Estimated Load Restriction (year):</b> 2025		<b>Estimated Replacement (year):</b> 2025			
	<b>Current Inspection Load Rating:</b>	68	<b>Design Load GVW (tonnes):</b>	68	<b>Design Vehicle Config.:</b>	L75
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/01/24 13:37:47		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 232 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-005	<b>Structure Name:</b>	G5-921	<b>Road Name:</b>	CINABAR EAST	<b>Inspection Date:</b>	2021/09/22	
<b>KM:</b>	0.60	<b>User km:</b>	0.60	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2024/09/22	
<b>Project File ID #:</b>	6057	<b>Br.</b>	15	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	12.2	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	12.2
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	413298		<b>UTM Northing:</b>	6056752	
<b>Inspector Name:</b>	Dawson Smith			<b>Year Superstructure Installed:</b>	1999			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Poor	some out of place
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 233 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-005	<b>Structure Name:</b>	G5-921	<b>Road Name:</b>	CINABAR EAST	<b>Inspection Date:</b>	2021/09/22
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<b>Road Surface</b>	Fair	needs grading
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### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Poor	(Rate as poor for rot. GZ)
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Fair	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Fair	
<b>Running Planks</b>	Fair	(rated as FAIR. GZ)
<b>Sub Deck</b>	Good	(none)
<b>Ties</b>	Good	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	1.0	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 234 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-005	<b>Structure Name:</b>	G5-921	<b>Road Name:</b>	CINABAR EAST	<b>Inspection Date:</b>	2021/09/22
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REPAIRS	#	Status	Priority	Estimate	Description
	7	Complete	Medium	\$ 0.00	Brushing required.
	8	Complete	Medium	\$ 0.00	Install bridge ahead signs.
	9	Complete	Medium	\$ 0.00	Cap and grade approaches done by licensee
	10	Required	Medium	\$ 0.00	Realign approach fenders
	11	Complete	High	\$ 0.00	Replace rotten sections of curbs.

MONITORS	#	Description
	4	monitor guardrail and riser blocks for decay, see pics
	5	Monitor deck and subdeck for rot.

GENERAL	Inspector's Comment:	Deck and rails look rotten. Suggest load restrictions. Flagged for in-house inspection next summer. GZ
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GENERAL	PEng's Comment:	Repairs should be done to rails and deck. Down rating is possible at any time. Flagged for P.Eng Inspection 2022. BH
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GENERAL	<b>Estimated Load Restriction (year):</b>		2025	<b>Estimated Replacement (year):</b>		
	<b>Current Inspection Load Rating:</b>	68	<b>Design Load GVW (tonnes):</b>	68	<b>Design Vehicle Config.:</b>	L75
	<b>Professional Inspection Required?</b>	Yes	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/01/20 14:27:38		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 235 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR|WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-194	Structure Name:	G5-194	Road Name:	A74600	Inspection Date:	2010/06/23
KM:	1.00	User km:		Crossing Name:	unnamed	Next Inspection Date:	2012/06/23
Project File ID #:	6057	Br.	25	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated - Panels			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel I-beam				Right	Concrete Lock Blocks	
Total Length (metres):	12.0	# Spans:	1	Span Width:		Span Length(s) (metres):	9
UTM Zone:	10		UTM Easting:	426866	UTM Northing:	6066919	
Inspector Name:	Warren Wilkinson			Year Superstructure Installed:			
Access:	Note: Bridge Deactivated as identified by Warren Wilkinson August 29, 2012.						

### ABUTMENTS

Bearings	Fair	
Bracing	Not Applicable	
Ballast Wall	Good	
Concrete Lock Blocks	Fair	
Corrosion Protection	Not Applicable	
Caps or Sills	Fair	
Fill	Good	
Hardware	Not Applicable	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	both approaches come off corners
Bridge Ahead Signs Missing	2	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Road Surface	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 236 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-194	Structure Name:	G5-194	Road Name:	A74600	Inspection Date:	2010/06/23
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Not Applicable	
Hardware	Not Applicable	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Not Applicable	
Sub Deck	Unrated	cover with dirt
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	1.0
	Estimated High Water Level Clearance:	1.0		

HAZARDS	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:	No Flow - Still water								

REPAIRS	#	Status	Priority	Estimate	Description

MONITORS	#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 237 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-194	<b>Structure Name:</b>	G5-194	<b>Road Name:</b>	A74600	<b>Inspection Date:</b>	2010/06/23
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2020	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	See footnote	<b>Design Load GVW (tonnes):</b>		<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By Raymond Getzlaf on 2012/04/12 00:00:00			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 238 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-199	<b>Structure Name:</b>	G5-979	<b>Road Name:</b>	COHO	<b>Inspection Date:</b>	2016/07/07
<b>KM:</b>	1.20	<b>User km:</b>	1.20	<b>Crossing Name:</b>	Unknown	<b>Next Inspection Date:</b>	2016/07/07
<b>Project File ID #:</b>	6057	<b>Br.</b>	32	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>				<b>Outlet Cover (mm):</b>			
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	14.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	444673	<b>UTM Northing:</b>	6088200		
<b>Inspector Name:</b>	Donovan J. A. Melin			<b>Year Superstructure Installed:</b>			
<b>Access:</b>	Minor culvert						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> (approaching structure)	0	
<b>Delineator Missing Right</b> (approaching structure)	0	
<b>Fender Condition</b>	None	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Fair	minor rust
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Fair	minor rust
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	
<b>Inlet</b>	Good	
<b>Outlet</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 239 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-199	<b>Structure Name:</b>	G5-979	<b>Road Name:</b>	COHO	<b>Inspection Date:</b>	2016/07/07
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<b>Overall</b>	Good
<b>Riprap</b>	Not Applicable
<b>Roof</b>	Good
<b>Side Walls</b>	Good
<b>Trash Rack</b>	Not Applicable
<b>Wiers/Backwater Structures</b>	Not Applicable
<b>Wing Wall</b>	Not Applicable

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good condition.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Need to verify if this is a culvert or a bridge at the location.
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2030	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jason Olmsted on 2017/01/19 10:01:43

### Corporate Bridge Register (CBR)

Disclaimer:  
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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 240 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-181	Structure Name:	G5-181	Road Name:	COHO	Inspection Date:	2021/07/07
KM:	3.90	User km:	3.90	Crossing Name:	unnamed	Next Inspection Date:	2024/07/07
Project File ID #:	6057	Br.	32	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated - Panels			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel I-beam				Right	Concrete Lock Blocks	
Total Length (metres):	12.2	# Spans:	1	Span Width:			Span Length(s) (metres): 12.2
UTM Zone:	10		UTM Easting:	443529		UTM Northing:	6089428
Inspector Name:	Warren Wilkinson			Year Superstructure Installed:	2009		
Access:							

### ABUTMENTS

Bearings	Poor	Due to shifting of blocks not level on concrete
Bracing	Not Applicable	
Ballast Wall	Good	
Concrete Lock Blocks	Poor	Shifted
Corrosion Protection	Not Applicable	
Caps or Sills	Unrated	No sill
Fill	Good	
Hardware	Not Applicable	
Piles or Posts	Not Applicable	
Riprap	Fair	Needs more to lock in
Wing Wall	Good	

### APPROACHES

Alignment	Poor	Bottom of steep hill both sides
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	0	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 241 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-181	Structure Name:	G5-181	Road Name:	COHO	Inspection Date:	2021/07/07
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Road Surface	Good	
<b>DECK</b>		
<b>Span 1</b>		
Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Fair	
Running Planks	Good	
Sub Deck	Good	
Ties	Fair	Ties have been reused rotated 180?

<b>SUPERSTRUCTURE</b>		
<b>Span 1</b>		
Bracing	Good	
Diaphragms	Good	
Girders	Fair	Girders resting on edge of blocks
Hardware	Good	
Under Trussing	Good	

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	1.0
	Estimated High Water Level Clearance:	1.0		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 242 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-181	<b>Structure Name:</b>	G5-181	<b>Road Name:</b>	COHO	<b>Inspection Date:</b>	2021/07/07
<b>MONITORS</b>	#	Description					
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Professional Inspection required Active logging on road proposed BCTS blocks past bridge possible Canfor blocks					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Good condition. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/06 14:19:03			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 243 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-200	<b>Structure Name:</b>	G5-980	<b>Road Name:</b>	COHO	<b>Inspection Date:</b>	2021/07/07	
<b>KM:</b>	5.40	<b>User km:</b>	5.40	<b>Crossing Name:</b>	Unknown	<b>Next Inspection Date:</b>	2024/07/07	
<b>Project File ID #:</b>	6057	<b>Br.</b>	32	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	18.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	18
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	443781		<b>UTM Northing:</b>	6090623	
<b>Inspector Name:</b>	Warren Wilkinson			<b>Year Superstructure Installed:</b>	2008			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Fair	Washing right upstream between fender and bridge
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Not Applicable	
<b>Wing Wall</b>	Good	

### APPROACHES

<b>Alignment</b>	Poor	Steep Hill both sides corner at top of one
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 244 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-200	Structure Name:	G5-980	Road Name:	COHO	Inspection Date:	2021/07/07
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Road Surface	Fair	Wilderness
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Good	

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	1.5
	Estimated High Water Level Clearance:	1.0		

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

REPAIRS	#	Status	Priority	Estimate	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 245 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-200	Structure Name:	G5-980	Road Name:	COHO	Inspection Date:	2021/07/07
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:					
	PEng's Comment:	No concerns. BH				
<b>GENERAL</b>	Estimated Load Restriction (year):	2048	Estimated Replacement (year):			
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/02/06 14:37:19		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 246 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-201	<b>Structure Name:</b>	G5-982	<b>Road Name:</b>	COHO	<b>Inspection Date:</b>	2022/10/21	
<b>KM:</b>	5.70	<b>User km:</b>	5.70	<b>Crossing Name:</b>	Unknown	<b>Next Inspection Date:</b>	2025/10/21	
<b>Project File ID #:</b>	6057	<b>Br.</b>	32	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	12.2	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	12.2
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	443910		<b>UTM Northing:</b>	6091022	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2008			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Fair	stell plates overhang sill, hardware holes overhand as well
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Poor	superstructure does not appear to be pinned down to sill, holes overhang sill
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Good	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 247 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-201	<b>Structure Name:</b>	G5-982	<b>Road Name:</b>	COHO	<b>Inspection Date:</b>	2022/10/21
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<b>Road Surface</b>	Good	
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### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Good	
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Good	
<b>Running Planks</b>	Fair	starting to rot
<b>Sub Deck</b>	Good	
<b>Ties</b>	Good	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	1.5
	<b>Estimated High Water Level Clearance:</b>	1.9		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	9	Required	High	\$ 0.00	Install bearing plate to sill fastener hardware.
	10	Required	Medium		Replace running boards prior to industrial use.
	11	Required	Low		Realign approach fenders.

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 248 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-201	<b>Structure Name:</b>	G5-982	<b>Road Name:</b>	COHO	<b>Inspection Date:</b>	2022/10/21
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<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	1	Bearing to sill movement.

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall. Steel bearing plates overhang the timber sill cap. PEng should review and verify contact surface is adequate for bearing. Also appears as though there are no fasteners from steel superstructure to the sill plate.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Monitor bearing plate to sill for movement. BH
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2045	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91
	<b>Design Vehicle Config.:</b>	L100		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 15:47:53

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 249 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-202	Structure Name:	G5-981	Road Name:	COHO	Inspection Date:	2021/07/07
KM:	5.90	User km:	5.90	Crossing Name:	Unnamed Creek	Next Inspection Date:	2024/07/07
Project File ID #:	6057	Br.	32	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Treated			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel I-beam				Right	Concrete Lock Blocks	
Total Length (metres):	12.0	# Spans:	1	Span Width:		Span Length(s) (metres):	12
UTM Zone:	10		UTM Easting:	443985		UTM Northing:	6091142
Inspector Name:	Warren Wilkinson			Year Superstructure Installed:	2010		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Concrete Lock Blocks	Good	Settling
Corrosion Protection	Not Applicable	Sheet Rust
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Not Applicable	
Wing Wall	Good	

### APPROACHES

Alignment	Poor	Bottom of hill with corners both sides
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Poor	Left side nose cones knocked off road surface
Posted Load Rating (Enter 0 if sign missing)	91	
Road Surface	Fair	Wilderness level.

### Corporate Bridge Register (CBR)

- Disclaimer:
- Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 250 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-202	Structure Name:	G5-981	Road Name:	COHO	Inspection Date:	2021/07/07
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	Rust Forming
Hardware	Good	
Under Trussing	Good	

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	1.5
	Estimated High Water Level Clearance:	1.0		

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

REPAIRS	#	Status	Priority	Estimate	Description

MONITORS	#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 251 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-202	<b>Structure Name:</b>	G5-981	<b>Road Name:</b>	COHO	<b>Inspection Date:</b>	2021/07/07
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b> No concerns. BH						
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2030	<b>Estimated Replacement (year):</b>		
	<b>Current Inspection Load Rating:</b>		68	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b> L100
	<b>Professional Inspection Required?</b>		No	<b>Report Status:</b> Reviewed By Bruce Henderson on 2022/02/06 14:43:16			

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 252 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-205	<b>Structure Name:</b>	G4-952	<b>Road Name:</b>	KILNER CREEK	<b>Inspection Date:</b>	2022/10/21	
<b>KM:</b>	0.20	<b>User km:</b>	0.20	<b>Crossing Name:</b>	UNNAMED	<b>Next Inspection Date:</b>	2025/10/21	
<b>Project File ID #:</b>	6057	<b>Br.</b>	35	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Treated - Panels			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	15.2	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	15.2
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	436142		<b>UTM Northing:</b>	6082392	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>				
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Fair	steel bearing plates overhang front and back of timber sill
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Fair	good shape but too small for bearing plates to fully sit on.
<b>Fill</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	63.5	

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 253 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-205	<b>Structure Name:</b>	G4-952	<b>Road Name:</b>	KILNER CREEK	<b>Inspection Date:</b>	2022/10/21
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<b>Road Surface</b>	Fair	
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### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Good	
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Fair	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Fair	
<b>Overall Deck Condition</b>	Fair	replace wear deck
<b>Running Planks</b>	Poor	rotten, replace
<b>Sub Deck</b>	Good	
<b>Ties</b>	Good	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.0	<b>Estimated Present Water Level Width:</b>	0.0
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	4	Required	Medium		Replace wear deck
5	Required	Medium		Remove brush around bridge.	

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 254 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-205	<b>Structure Name:</b>	G4-952	<b>Road Name:</b>	KILNER CREEK	<b>Inspection Date:</b>	2022/10/21
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in good shape overall. Wear deck should be replaced prior to industrial use. This structure has the bearing plates overhanging the timber sill front and back on both abutments. PEng should assess and determine if bearing surface is adequate.				
	<b>PEng's Comment:</b>	Wear deck replacement required. BH				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2032	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	64	<b>Design Load GVW (tonnes):</b>	64	<b>Design Vehicle Config.:</b>	CL625
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 15:49:32		

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 255 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-206	<b>Structure Name:</b>	G5-994	<b>Road Name:</b>	KILNER CREEK	<b>Inspection Date:</b>	2022/10/21	
<b>KM:</b>	1.70	<b>User km:</b>	1.70	<b>Crossing Name:</b>	UNNAMED	<b>Next Inspection Date:</b>	2025/10/21	
<b>Project File ID #:</b>	6057	<b>Br.</b>	35	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Treated - Panels			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	12.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	12
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	435915		<b>UTM Northing:</b>	6083719	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>				
<b>Access:</b>	Bridge is downrated to 0 tonnes. Barricaded and signed.							

### ABUTMENTS

<b>Bearings</b>	Fair	Poor contact surface area between sill and bearing plates
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	covered with textile, difficult to assess all blocks
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Fair	low available bearing surface area on caps
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	2	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 256 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-206	<b>Structure Name:</b>	G5-994	<b>Road Name:</b>	KILNER CREEK	<b>Inspection Date:</b>	2022/10/21
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<b>Road Surface</b>	Fair	
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### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Fair	
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Fair	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Poor	holes in deck
<b>Overall Deck Condition</b>	Poor	Replace deck panels prior to industrial use
<b>Running Planks</b>	Poor	rotten, holes in deck
<b>Sub Deck</b>	Unrated	N/A
<b>Ties</b>	Fair	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	3.0
	<b>Estimated High Water Level Clearance:</b>	0.8		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	3	Required	Medium	\$	Replace timber deck modules
	4	Required	High		Post load rating sign and barricade bridge.

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 257 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-206	Structure Name:	G5-994	Road Name:	KILNER CREEK	Inspection Date:	2022/10/21
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	New deck panels should be installed for light traffic or industrial use. The abutments are covered with textile so difficult to assess. Sills do not accommodate full bearing surface area, PEng should asses if required for more than light traffic. Should be closed for light traffic due to deteriorated condition of deck.				
	PEng's Comment:	Bridge closed. Post signs. BH				
<b>GENERAL</b>	Estimated Load Restriction (year):	2032	Estimated Replacement (year):			
	Current Inspection Load Rating:	0	Design Load GVW (tonnes):	68	Design Vehicle Config.:	L75
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/12/08 12:06:37		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 258 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-204	Structure Name:	G5-924	Road Name:	WAMPUM	Inspection Date:	2021/07/07
KM:	3.10	User km:	3.10	Crossing Name:	Unnamed	Next Inspection Date:	2024/07/07
Project File ID #:	6057	Br.	36	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated - Panels			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel I-beam				Right	Concrete Lock Blocks	
Total Length (metres):	15.0	# Spans:	1	Span Width:			Span Length(s) (metres): 15
UTM Zone:	10		UTM Easting:	446820		UTM Northing:	6092971
Inspector Name:	Warren Wilkinson			Year Superstructure Installed:	2014		
Access:							

### ABUTMENTS

Bearings	Fair	left side not sitting flat on sill
Bracing	Not Applicable	
Ballast Wall	Fair	Rot found i un-pealed logs
Concrete Lock Blocks	Fair	Some settling. gaps between sill timbers, uneven gaps between blocks
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Fair	
Piles or Posts	Not Applicable	
Riprap	Not Applicable	
Wing Wall	Good	

### APPROACHES

Alignment	Poor	Steep hills and corners both sides
Bridge Ahead Signs Missing	2	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Fair	
Posted Load Rating (Enter 0 if sign missing)	68	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 259 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-204	<b>Structure Name:</b>	G5-924	<b>Road Name:</b>	WAMPUM	<b>Inspection Date:</b>	2021/07/07
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<b>Road Surface</b>	Fair	wilderness level
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### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Good	
<b>Deck to Girder Bolts</b>	Good	Clips
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Good	
<b>Running Planks</b>	Not Applicable	
<b>Sub Deck</b>	Fair	
<b>Ties</b>	Good	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Under Trussing</b>	Good	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.4	<b>Estimated Present Water Level Width:</b>	2.5
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	5	Required	High		Install both bridge ahead signs.

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 260 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-204	Structure Name:	G5-924	Road Name:	WAMPUM	Inspection Date:	2021/07/07
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:					
	PEng's Comment:	No concerns. BH				
<b>GENERAL</b>	Estimated Load Restriction (year):	2030	Estimated Replacement (year):			
	Current Inspection Load Rating:	68	Design Load GVW (tonnes):	68	Design Vehicle Config.:	L75
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/02/06 15:21:49		

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 261 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-207	<b>Structure Name:</b>	G5-302	<b>Road Name:</b>	WAMPUM	<b>Inspection Date:</b>	2022/10/21
<b>KM:</b>	4.50	<b>User km:</b>	10.50	<b>Crossing Name:</b>	Unnamed	<b>Next Inspection Date:</b>	2024/10/21
<b>Project File ID #:</b>	6057	<b>Br.</b>	36	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated - Panels			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Crib, Log or Untreated Timber	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Crib, Log or Untreated Timber	
<b>Total Length (metres):</b>	9.1	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	9.1
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	447065	<b>UTM Northing:</b>	6094073	
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	2020			
<b>Access:</b>	Bridge is on BR. 36. update once RRS-CBR issues resolved. LNH						

### ABUTMENTS

<b>Bearings</b>	Fair	bearin plates not fully supported. see pics
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Log/Timber Cribs</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Tie-backs</b>	Not Applicable	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	out of place and one missing but logs are in good condition

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 262 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-207	Structure Name:	G5-302	Road Name:	WAMPUM	Inspection Date:	2022/10/21
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Posted Load Rating (Enter 0 if sign missing)	68
Road Surface	Fair

### DECK

<b>Span 1</b>	
Curb Rail/Blocks/Posts	Good
Deck to Girder Bolts	Good
Hardware	Good
Hand Rails/Walkouts	Not Applicable
Nails	Good
Overall Deck Condition	Good
Running Planks	Good
Sub Deck	Good
Ties	Good

### SUPERSTRUCTURE

<b>Span 1</b>	
Bracing	Good
Diaphragms	Good
Girders	Good
Hardware	Good
Under Trussing	Not Applicable

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	2.0
	Estimated High Water Level Clearance:	0.8		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	5	Required	Low	\$	Grade out to bring approach elevation flush with bridge deck
	6	Required	Low	\$	Reset and anchor approach logs. 3 on site, one missing

### Corporate Bridge Register (CBR)

Disclaimer:  
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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 263 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-207	Structure Name:	G5-302	Road Name:	WAMPUM	Inspection Date:	2022/10/21
---------	--------	-----------------	--------	------------	--------	------------------	------------

<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall. Approach logs should be reset, one approach log is missing. The approaches should be graded out to remove the step up onto the bridge deck. Bearing plates are not fully supported on this structure but it does bear directly over the C/B for superstructure. PEng should assess bearings to confirm they are adequate.				
	<b>PEng's Comment:</b>	No structural concerns. B				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2034	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	64	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/08 12:07:50		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 264 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-464	Structure Name:	G5-959	Road Name:	TEARDROP	Inspection Date:	2020/08/18
KM:	26.00	User km:	426.00	Crossing Name:	Unnamed Creek	Next Inspection Date:	2023/08/18
Project File ID #:	6480	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Treated			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Steel Pipe and Precast Pad	
Superstructure:	Steel I-beam				Right	Steel Pipe and Precast Pad	
Total Length (metres):	18.3	# Spans:	1	Span Width:			Span Length(s) (metres): 18.3
UTM Zone:	10		UTM Easting:	443412		UTM Northing:	6029090
Inspector Name:	Warren Wilkinson		Year Superstructure Installed:	2023			
Access:	Installed permanent bridge in 2023						

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Concrete Lock Blocks	Fair	blocks have slight lean towards stream
Concrete Precast	Fair	blocks leaning
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Fair	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Not Applicable	
Wing Wall	Poor	toes out on all 4 sides

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	may need 3rd sign at Y junction upchain
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	2	
Fender Condition	Fair	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 265 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-464	Structure Name:	G5-959	Road Name:	TEARDROP	Inspection Date:	2020/08/18
---------	--------	-----------------	--------	------------	----------	------------------	------------

Posted Load Rating (Enter 0 if sign missing)	5	
Road Surface	Poor	wilderness

### DECK

#### Span 1

Curb Rail/Blocks/Posts	Fair	rot
Deck to Girder Bolts	Fair	need more as noted in previous inspection
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Nails	Poor	rotting deck, nails lifting
Overall Deck Condition	Poor	rotting deck with holes
Running Planks	Poor	rot
Sub Deck	Poor	rot with holes in deck
Ties	Fair	wet with fungus growing

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Good	

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	1.0
	Estimated High Water Level Clearance:	2.0		

HAZARDS	High Water:	Yes	Scour:	Yes	Ice:	No	Debris:	Yes	Aggradation:	No
	Comment:	Flood event spring 2020								

REPAIRS	#	Status	Priority	Estimate	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 266 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-464	Structure Name:	G5-959	Road Name:	TEARDROP	Inspection Date:	2020/08/18
---------	--------	-----------------	--------	------------	----------	------------------	------------

<b>MONITORS</b>	#	Description
	2	watch lock blocks after flood event

<b>GENERAL</b>	Inspector's Comment:	major flood event down stream, (posable beaver dam failure) Full PEng. inspection prior to hauling
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<b>GENERAL</b>	PEng's Comment:	all outstanding repairs need to be completed
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<b>GENERAL</b>	Estimated Load Restriction (year):	2030	Estimated Replacement (year):			
	Current Inspection Load Rating:	5	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Jason Olmsted on 2021/03/04 14:26:55		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 267 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-470	<b>Structure Name:</b>	G5-470	<b>Road Name:</b>	TEARDROP	<b>Inspection Date:</b>	2021/09/21
<b>KM:</b>	47.50	<b>User km:</b>	450.20	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2024/09/21
<b>Project File ID #:</b>	6480	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	2,000		<b>Outlet Cover (mm):</b>	2,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	21.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	463645	<b>UTM Northing:</b>	6023597		
<b>Inspector Name:</b>	Dawson Smith		<b>Year Superstructure Installed:</b>	1972			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 268 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-470	<b>Structure Name:</b>	G5-470	<b>Road Name:</b>	TEARDROP	<b>Inspection Date:</b>	2021/09/21
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Not Applicable						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.0	<b>Estimated Present Water Level Width:</b>	0.0
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	beavers have inlet plugged , pipe is dry								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	4	Required	Medium	\$	remove beaver dam, inlet

<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	2	Monitor beaver activity

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Poor pics, outlet rated good:no mention of plunge pool. GZ
	<b>PEng's Comment:</b>	Low risk culvert. inspection ok. CP

<b>GENERAL</b>	<b>PEng's Comment:</b>	Low risk culvert. inspection ok. CP
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### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 269 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-470	<b>Structure Name:</b>	G5-470	<b>Road Name:</b>	TEARDROP	<b>Inspection Date:</b>	2021/09/21	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2024	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>		No	<b>Report Status:</b>		Reviewed By Colton Polsom on 2022/05/31 15:49:42		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 270 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-470	Structure Name:	G5-470-2	Road Name:	TEARDROP	Inspection Date:	2021/09/21
KM:	47.50	User km:	450.20	Crossing Name:	Unnamed creek	Next Inspection Date:	2024/09/21
Project File ID #:	6480	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round		Culvert Material:	Corrugated Steel			
Inlet Cover (mm):	1,300		Outlet Cover (mm):	1,300			
Footing Type:			Gradient (%):				
Culvert Length (metres):	21.0	Opening Height (mm):	1,200	Opening Width (mm):	1,200		
UTM Zone:	10	UTM Easting:	463645	UTM Northing:	6023597		
Inspector Name:	Dawson Smith		Year Superstructure Installed:	1972			
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Not Applicable	
Coupled Connections	Good	
Coating	Fair	
Embedment Materials	Not Applicable	
Fill	Good	
Floor	Fair	
Footing	Not Applicable	
Head Wall	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 271 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-470	<b>Structure Name:</b>	G5-470-2	<b>Road Name:</b>	TEARDROP	<b>Inspection Date:</b>	2021/09/21
<b>Inlet</b>	Fair						
<b>Outlet</b>	Fair						
<b>Overall</b>	Fair						
<b>Riprap</b>	Not Applicable						
<b>Roof</b>	Fair						
<b>Side Walls</b>	Fair						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	0.5
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	culvert is showing rust								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	3	Required	Medium	\$	remove log from inlet

<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	2	Monitor Beaver activity

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Poor pics, no mention of slumping fill or plunge pool. GZ
	<b>PEng's Comment:</b>	Low risk Culvert. Inspection accepted. CP

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Poor pics, no mention of slumping fill or plunge pool. GZ
	<b>PEng's Comment:</b>	Low risk Culvert. Inspection accepted. CP

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 272 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-470	<b>Structure Name:</b>	G5-470-2	<b>Road Name:</b>	TEARDROP	<b>Inspection Date:</b>	2021/09/21
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2024	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Colton Polsom on 2022/05/31 15:53:10			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 273 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-471	<b>Structure Name:</b>	G5-471	<b>Road Name:</b>	TEARDROP	<b>Inspection Date:</b>	2002/07/25
<b>KM:</b>	50.20	<b>User km:</b>	452.90	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2005/07/25
<b>Project File ID #:</b>	6480	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	3,700		<b>Outlet Cover (mm):</b>	3,700			
<b>Footing Type:</b>			<b>Gradient (%):</b>	2.0			
<b>Culvert Length (metres):</b>	18.0	<b>Opening Height (mm):</b>	1,200	<b>Opening Width (mm):</b>	1,200		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	465812	<b>UTM Northing:</b>	6023735		
<b>Inspector Name:</b>	Gary Zsombor		<b>Year Superstructure Installed:</b>	1972			
<b>Access:</b>	minor culvert 1200 2nd 1200 @ 123-30-34, 54-21-45. GZ 2019 design in G Drive. to be install when CMP washes out. GZ 2020						

### APPROACHES

<b>Bridge Ahead Signs Missing</b>	2	No Comment Available -Converter.RNI
<b>Delineator Missing Left</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Delineator Missing Right</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0.0	No Comment Available -Converter.RNI
<b>Road Surface</b>	Fair	No Comment Available -Converter.RNI

### CULVERT ELEMENT

<b>Coupled Connections</b>	Fair	No Comment Available -Converter.RNI
<b>Coating</b>	Fair	No Comment Available -Converter.RNI
<b>Fill</b>	Fair	No Comment Available -Converter.RNI
<b>Floor</b>	Fair	No Comment Available -Converter.RNI
<b>Inlet</b>	Poor	No Comment Available -Converter.RNI
<b>Outlet</b>	Fair	No Comment Available -Converter.RNI
<b>Roof</b>	Fair	No Comment Available -Converter.RNI
<b>Side Walls</b>	Fair	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 274 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-471	<b>Structure Name:</b>	G5-471	<b>Road Name:</b>	TEARDROP	<b>Inspection Date:</b>	2002/07/25
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>			
	<b>Estimated High Water Level Clearance:</b>			0.8			
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b> Yes
	<b>Aggradation:</b>	No	<b>Comment:</b>				
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>		
	5	Suggested	Medium	\$ 0.00	Span: 1.0. Lengthen Culvert. Lengthen culvert..		
<b>MONITORS</b>	<b>#</b>	<b>Description</b>					
	1	ALSO ONE 800mm AND ONE 500mm CULVERT AT THE SAME SITE. Monitor debris at inlet of 800 pipe. ( building up - beaver dam)					
<b>GENERAL</b>	<b>Inspector's Comment:</b>	nullCulvert: 1) too short. Extend by 2 m..					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2022	<b>Estimated Replacement (year):</b>		
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By IDIR\RMGETZLA on 2012/04/12 09:39:15			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 275 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-469	<b>Structure Name:</b>	G5-469	<b>Road Name:</b>	TEARDROP	<b>Inspection Date:</b>	2023/09/02
<b>KM:</b>	51.60	<b>User km:</b>	454.30	<b>Crossing Name:</b>	Un-Named Creek	<b>Next Inspection Date:</b>	2026/09/02
<b>Project File ID #:</b>	6480	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Concrete		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials	
<b>Total Length (metres):</b>	18.2	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b> 18
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	466911		<b>UTM Northing:</b>	6024023
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2019		
<b>Access:</b>	Structure installed at this site was originally supposed to be installed at Site G5-035. Structure information on Site file.						

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	one small eroding section at corner of bridge left approach downstream
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Fair	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	62.5	
<b>Road Surface</b>	Fair	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 276 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G5-469 Structure Name: G5-469 Road Name: TEARDROP Inspection Date: 2023/09/02

### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	3.0
	Estimated High Water Level Clearance:	2.6		

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

REPAIRS	#	Status	Priority	Estimate	Description

MONITORS	#	Description
	1	MOnitor toe of riprap. See pics. Some has scoured and migrated forward. Some has scoured and is overhanging.

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 277 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-469	<b>Structure Name:</b>	G5-469	<b>Road Name:</b>	TEARDROP	<b>Inspection Date:</b>	2023/09/02
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in very good shape overall. One corner of the bridge has fill eroding due to surface drainage - left approach downstream side. Requires repair and grading of approach to manage water. Minor erosion has occurred on the left and right abutment at the toe of the riprap apron, see pics - monitor., Riprap was not keyed in and has scoured slightly, some has migrated some is overhanging.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Looks good. Check load limit sign. Inspection says its posted at 62.5 when it should be at 91tonnes. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2064	<b>Estimated Replacement (year):</b>		2066	
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/14 15:58:52			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 278 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-472	<b>Structure Name:</b>	G5-472	<b>Road Name:</b>	TEARDROP	<b>Inspection Date:</b>	2002/07/25
<b>KM:</b>	55.70	<b>User km:</b>	458.50	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2005/07/25
<b>Project File ID #:</b>	6480	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	700		<b>Outlet Cover (mm):</b>	700			
<b>Footing Type:</b>			<b>Gradient (%):</b>	2.0			
<b>Culvert Length (metres):</b>	12.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	470825	<b>UTM Northing:</b>	6025740		
<b>Inspector Name:</b>	Gary Zsombor		<b>Year Superstructure Installed:</b>	1972			
<b>Access:</b>	Minor culvert 2019 design in G Drive. to be install when CMP washes out. GZ 2020						

### APPROACHES

<b>Bridge Ahead Signs Missing</b>	2	No Comment Available -Converter.RNI
<b>Delineator Missing Left</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Delineator Missing Right</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0.0	No Comment Available -Converter.RNI
<b>Road Surface</b>	Fair	No Comment Available -Converter.RNI

### CULVERT ELEMENT

<b>Coupled Connections</b>	Good	No Comment Available -Converter.RNI
<b>Coating</b>	Good	No Comment Available -Converter.RNI
<b>Fill</b>	Poor	No Comment Available -Converter.RNI
<b>Floor</b>	Fair	No Comment Available -Converter.RNI
<b>Inlet</b>	Fair	No Comment Available -Converter.RNI
<b>Outlet</b>	Fair	No Comment Available -Converter.RNI
<b>Roof</b>	Fair	No Comment Available -Converter.RNI
<b>Side Walls</b>	Fair	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 279 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-472	<b>Structure Name:</b>	G5-472	<b>Road Name:</b>	TEARDROP	<b>Inspection Date:</b>	2002/07/25			
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>						
	<b>Estimated High Water Level Clearance:</b>			1.3						
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>					
	6	Suggested	Medium	\$ 0.00	Span: 1.0. Add Headwall/cutoff wall.					
	7	Suggested	Medium	\$ 0.00	Span: 1.0. Lengthen Culvert. Lengthen CMP or install headwalls or aprons to retain road fill..					
<b>MONITORS</b>	<b>#</b>	<b>Description</b>								
	1	ALSO ONE 1200mm CULVERT AT THE SAME SITE. (Fair condition & some beaver activity chinch99) Pipe may need to be replaced because it may be sagged and split - check at low flows. (NO chinch99) Monitor road shoulder erosion (chinch99)								
<b>GENERAL</b>	<b>Inspector's Comment:</b>									
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments								
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2022	<b>Estimated Replacement (year):</b>					
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>		No	<b>Report Status:</b>		Accepted By IDIR\RMGETZLA on 2012/04/12 09:40:19				

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 280 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-473	Structure Name:	G5-473-2	Road Name:	TEARDROP	Inspection Date:	2021/09/21
KM:	59.80	User km:	462.50	Crossing Name:	Unnamed creek	Next Inspection Date:	2024/09/21
Project File ID #:	6480	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round		Culvert Material:	Corrugated Steel			
Inlet Cover (mm):	1,500		Outlet Cover (mm):	1,500			
Footing Type:			Gradient (%):	2.0			
Culvert Length (metres):	17.0	Opening Height (mm):	1,800	Opening Width (mm):	1,800		
UTM Zone:	10	UTM Easting:	471525	UTM Northing:	6029494		
Inspector Name:	Dawson Smith		Year Superstructure Installed:	1972			
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Good	end section
Coupled Connections	Fair	
Coating	Good	
Embedment Materials	Not Applicable	
Fill	Good	
Floor	Not Applicable	
Footing	Not Applicable	
Head Wall	Good	

### Corporate Bridge Register (CBR)

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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 281 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-473	<b>Structure Name:</b>	G5-473-2	<b>Road Name:</b>	TEARDROP	<b>Inspection Date:</b>	2021/09/21
<b>Inlet</b>	Fair	Beaver has built a dam around inlet					
<b>Outlet</b>	Good						
<b>Overall</b>	Fair						
<b>Riprap</b>	Not Applicable						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	1	Required	High	\$	remove beaver dam around inlet

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	beavers have partially dammed inlet Costing overrated. no significant issues. GZ.
	<b>PEng's Comment:</b>	No concerns. BH

<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 282 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-473	<b>Structure Name:</b>	G5-473-2	<b>Road Name:</b>	TEARDROP	<b>Inspection Date:</b>	2021/09/21
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2025	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b> Reviewed By Bruce Henderson on 2022/02/10 13:47:40				

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 283 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-473	Structure Name:	G5-473	Road Name:	TEARDROP	Inspection Date:	2021/09/21
KM:	59.80	User km:	462.50	Crossing Name:	Unnamed creek	Next Inspection Date:	2024/09/21
Project File ID #:	6480	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	1,500			Outlet Cover (mm):	1,500		
Footing Type:				Gradient (%):	2.0		
Culvert Length (metres):	17.0	Opening Height (mm):	1,800	Opening Width (mm):	1,800		
UTM Zone:	10	UTM Easting:	471525	UTM Northing:	6029494		
Inspector Name:	Dawson Smith			Year Superstructure Installed:	1972		
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Good	
Coupled Connections	Not Applicable	
Coating	Fair	
Embedment Materials	Not Applicable	
Fill	Good	
Floor	Not Applicable	
Footing	Not Applicable	
Head Wall	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 284 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-473	<b>Structure Name:</b>	G5-473	<b>Road Name:</b>	TEARDROP	<b>Inspection Date:</b>	2021/09/21
<b>Inlet</b>	Fair	Beaver has built a dam around inlet					
<b>Outlet</b>	Good						
<b>Overall</b>	Fair						
<b>Riprap</b>	Not Applicable						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	2	Required	High	\$	around inlet

<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	4	Monito beaver activity

<b>GENERAL</b>	<b>Inspector's Comment:</b>	beaver have dammed (partially inlets)
	<b>PEng's Comment:</b>	No concerns. BH

<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 285 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-473	<b>Structure Name:</b>	G5-473	<b>Road Name:</b>	TEARDROP	<b>Inspection Date:</b>	2021/09/21
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2025	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/02/10 13:42:40		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 286 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-474	Structure Name:	G5-474	Road Name:	TEARDROP	Inspection Date:	2021/09/21
KM:	61.10	User km:	463.90	Crossing Name:	Salmon River	Next Inspection Date:	2024/09/21
Project File ID #:	6480	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete Composite			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials	
Superstructure:	Steel I-beam				Right	Pile -Permanent Materials	
Total Length (metres):	39.0	# Spans:	1	Span Width:			Span Length(s) (metres): 39
UTM Zone:	10		UTM Easting:	471732		UTM Northing:	6030689
Inspector Name:	Dawson Smith			Year Superstructure Installed:	1989		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	2	
Delineator Missing Right (approaching structure)	1	
Fender Condition	Fair	some out of place
Posted Load Rating (Enter 0 if sign missing)	91	(5 tonne signs not posted. GZ)
Road Surface	Fair	

### Corporate Bridge Register (CBR)

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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 287 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-474	Structure Name:	G5-474	Road Name:	TEARDROP	Inspection Date:	2021/09/21
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	need replaced see pics
Deck Joints	Good	
Grout Pockets	Not Applicable	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Fair	guard rails need replaced see pics
Running Surface	Good	(Good GZ)

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	1.0	Estimated Present Water Level Width:	5.0
	Estimated High Water Level Clearance:	3.0		

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

### REPAIRS

#	Status	Priority	Estimate	Description
9	Required	High	\$ 0.00	Replace all curbs and risers.
10	Required	Medium		Install 3 delineators.
11	Required	Medium	\$ 0.00	Realign approach fenders.
12	Required	High	\$ 0.00	Post load rating signs (5 tonnes)

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 288 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-474	Structure Name:	G5-474	Road Name:	TEARDROP	Inspection Date:	2021/09/21
---------	--------	-----------------	--------	------------	----------	------------------	------------

<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	guardrails and blocks need to be replaced Not a great inspection but noted major defects. Load restriction signs not posted. GZ				
<b>GENERAL</b>	<b>PEng's Comment:</b>	Install 5 tonne rating sign. Complete repairs as soon as possible. Bridge could be closed at any time due to failing curbs and user safety. BH				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2029	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	5	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/10 14:05:12		

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 289 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-494	Structure Name:	G5-494	Road Name:	TEARDROP	Inspection Date:	2022/06/15
KM:	72.90	User km:	476.00	Crossing Name:	Unnamed Creek	Next Inspection Date:	2025/06/15
Project File ID #:	6480	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete Composite			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Steel Pipe and Precast Pad	
Superstructure:	Steel I-beam				Right	Steel Pipe and Precast Pad	
Total Length (metres):	18.3	# Spans:	1	Span Width:			Span Length(s) (metres): 18.29
UTM Zone:	10		UTM Easting:	477592		UTM Northing:	6037665
Inspector Name:	Warren Wilkinson			Year Superstructure Installed:	2021		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Good	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	caps
Fill	Good	
Hardware	Good	
Piles or Posts	Good	posts
Riprap	Fair	not very much rip rap in place
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	2	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Fair	Missing nose cone left upstream
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	recent grading

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 290 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G5-494 Structure Name: G5-494 Road Name: TEARDROP Inspection Date: 2022/06/15

### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	steel
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Good	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Good	

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	2.0
	Estimated High Water Level Clearance:	1.0		

HAZARDS	High Water:	No	Scour:	No	Ice:	No	Debris:	Yes	Aggradation:	No
	Comment:	old beaver dam upstream, old culvert in stream downstream								

REPAIRS	#	Status	Priority	Estimate	Description
	1	Required	Low		Install bridge ahead signs both sides.

MONITORS	#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 291 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-494	<b>Structure Name:</b>	G5-494	<b>Road Name:</b>	TEARDROP	<b>Inspection Date:</b>	2022/06/15
<b>GENERAL</b>	<b>Inspector's Comment:</b>	new bridge, first inspection					
<b>GENERAL</b>	<b>PEng's Comment:</b>	All good. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2066		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/30 14:49:18			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 292 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-477	<b>Structure Name:</b>	G5-477	<b>Road Name:</b>	CARRIER	<b>Inspection Date:</b>	2021/09/21
<b>KM:</b>	28.00	<b>User km:</b>	138.00	<b>Crossing Name:</b>	UNNAMED	<b>Next Inspection Date:</b>	2024/09/21
<b>Project File ID #:</b>	6480	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated - Panels			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks	
<b>Total Length (metres):</b>	12.5	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	12.5
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	446590		<b>UTM Northing:</b>	6052042
<b>Inspector Name:</b>	Dawson Smith		<b>Year Superstructure Installed:</b>	2004			
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Not Applicable	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	1	
<b>Delineator Missing Right (approaching structure)</b>	1	
<b>Fender Condition</b>	Poor	some out of place
<b>Posted Load Rating (Enter 0 if sign missing)</b>	68	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 293 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-477	<b>Structure Name:</b>	G5-477	<b>Road Name:</b>	CARRIER	<b>Inspection Date:</b>	2021/09/21
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<b>Road Surface</b>	Fair	
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### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Fair	showing decay, see pic
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Fair	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Fair	
<b>Running Planks</b>	Good	
<b>Sub Deck</b>	Good	
<b>Ties</b>	Good	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.5	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	2.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	4	Required	Medium	\$	Replace fenders
	5	Required	Medium	\$ 0.00	Replace missing delineators

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 294 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-477	Structure Name:	G5-477	Road Name:	CARRIER	Inspection Date:	2021/09/21
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<b>MONITORS</b>	#	Description
	3	guardrail decay , see pics

<b>GENERAL</b>	Inspector's Comment:	beaver dam under structure, missing 2 del, guardrails out of place No significant issues. GZ
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<b>GENERAL</b>	PEng's Comment:	No concerns
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<b>GENERAL</b>	Estimated Load Restriction (year):	2030	Estimated Replacement (year):			
	Current Inspection Load Rating:	68	Design Load GVW (tonnes):	68	Design Vehicle Config.:	L75
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/01/18 13:29:19		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 295 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-478	<b>Structure Name:</b>	G5-478	<b>Road Name:</b>	CARRIER	<b>Inspection Date:</b>	2021/10/15
<b>KM:</b>	32.30	<b>User km:</b>	142.70	<b>Crossing Name:</b>	O'Cock Creek	<b>Next Inspection Date:</b>	2024/10/15
<b>Project File ID #:</b>	6480	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,000		<b>Outlet Cover (mm):</b>	1,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	17.0	<b>Opening Height (mm):</b>	1,500	<b>Opening Width (mm):</b>	1,500		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	447397	<b>UTM Northing:</b>	6056446		
<b>Inspector Name:</b>	Gary Zsombor		<b>Year Superstructure Installed:</b>	1977			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Fair	Curve
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Poor	Heavy rust
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Poor	perferated with rust
<b>Footing</b>	Unrated	can not inspect
<b>Head Wall</b>	Not Applicable	
<b>Inlet</b>	Fair	
<b>Outlet</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 296 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-478	<b>Structure Name:</b>	G5-478	<b>Road Name:</b>	CARRIER	<b>Inspection Date:</b>	2021/10/15
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<b>Overall</b>	Poor	needs replacement
<b>Riprap</b>	Not Applicable	
<b>Roof</b>	Fair	
<b>Side Walls</b>	Poor	perferated with rust
<b>Trash Rack</b>	Not Applicable	
<b>Wiers/Backwater Structures</b>	Not Applicable	
<b>Wing Wall</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>		<b>Estimated Present Water Level Width:</b>	
	<b>Estimated High Water Level Clearance:</b>			

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	Yes	<b>Aggradation:</b>	No
	<b>Comment:</b>	unable to assess due to beaver activity								

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	5	Required	High	\$ 0.00	Culverts rusting out, need to be replaced

<b>MONITORS</b>	#	Description
	3	monitor rust and perforations of culvert walls and floor

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Heavy rust, perforated pipe walls
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Consider replacing both culverts.
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2024	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91
	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/01/18 15:08:12

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 297 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-478	<b>Structure Name:</b>	G5-478-2	<b>Road Name:</b>	CARRIER	<b>Inspection Date:</b>	2021/10/15
<b>KM:</b>	32.30	<b>User km:</b>	142.70	<b>Crossing Name:</b>	O'Cock Creek	<b>Next Inspection Date:</b>	2024/10/15
<b>Project File ID #:</b>	6480	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	850		<b>Outlet Cover (mm):</b>	400			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	17.0	<b>Opening Height (mm):</b>	1,500	<b>Opening Width (mm):</b>	1,500		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	447397	<b>UTM Northing:</b>	6056446		
<b>Inspector Name:</b>	Gary Zsombor		<b>Year Superstructure Installed:</b>	1977			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Fair	Curve
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Unrated	could not inspect due to inlet plugged by beavers
<b>Coating</b>	Poor	Heavy rust
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Unrated	could not inspect due to inlet plugged by beavers
<b>Footing</b>	Unrated	could not inspect
<b>Head Wall</b>	Not Applicable	
<b>Inlet</b>	Poor	inlet plugged by beavers
<b>Outlet</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 298 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-478	<b>Structure Name:</b>	G5-478-2	<b>Road Name:</b>	CARRIER	<b>Inspection Date:</b>	2021/10/15
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<b>Overall</b>	Poor	not functional due to inlet blockage
<b>Riprap</b>	Not Applicable	
<b>Roof</b>	Unrated	could not inspect due to inlet plugged by beavers
<b>Side Walls</b>	Unrated	could not inspect due to inlet plugged by beavers
<b>Trash Rack</b>	Not Applicable	
<b>Wiers/Backwater Structures</b>	Not Applicable	
<b>Wing Wall</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>		<b>Estimated Present Water Level Width:</b>	
	<b>Estimated High Water Level Clearance:</b>			

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	Yes	<b>Aggradation:</b>	No
	<b>Comment:</b>	could not take measurements due to beaver activity								

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	3	Required	High		Inlet plugged by beavers
4	Required	High		Culverts rusting out	

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Need to replace crossing
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Consider replacing both culverts soon.
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2024	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91
	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/01/18 15:01:06

**Corporate Bridge Register (CBR)**

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 299 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G1-690	<b>Structure Name:</b>	G1-690	<b>Road Name:</b>	UNNAMED 1	<b>Inspection Date:</b>	2022/08/14
<b>KM:</b>	19.00	<b>User km:</b>	618.60	<b>Crossing Name:</b>	Salmon River	<b>Next Inspection Date:</b>	2025/08/14
<b>Project File ID #:</b>	6480	<b>Br.</b>	10	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Gravel		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	<b>Other</b>	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	<b>Other</b>	
<b>Total Length (metres):</b>	68.0	<b># Spans:</b>	3	<b>Span Width:</b>			<b>Span Length(s) (metres):</b> 17, 34, 17
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	496687		<b>UTM Northing:</b>	6009577
<b>Inspector Name:</b>	Kody Pepper			<b>Year Superstructure Installed:</b>	1981		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	Left abutment bearing 2 bolt is tilted to the ballast wall and the grout pad is spalling
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	Top is spalling at the deck approaches
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Fair	Spill from the road covering the girders and bearings at both approaches. Left abutment erosion noted
<b>General Abutment Condition</b>	Good	Clean road fill off the girders and bearings at both approaches
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Not Applicable	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Poor	Damaged, not connected, and right approach fenders overhang the ballast wall

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 300 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G1-690	<b>Structure Name:</b>	G1-690	<b>Road Name:</b>	UNNAMED 1	<b>Inspection Date:</b>	2022/08/14
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<b>Road Surface</b>	Good	
<b>DECK</b>		
<b>Span 1</b>		
<b>Curb Rail/Blocks/Posts</b>	Fair	Damaged risers and curbs
<b>Deck to Girder Bolts</b>	Unrated	No access
<b>Gravel Surface</b>	Unrated	Not applicable
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Poor	Deck worn
<b>Overall Deck Condition</b>	Poor	Replace running deck and curbs
<b>Running Planks</b>	Poor	Heavy wear
<b>Sub Deck</b>	Unrated	No access
<b>Ties</b>	Unrated	No access
<b>Span 2</b>		
<b>Curb Rail/Blocks/Posts</b>	Poor	Rotten and damaged
<b>Deck to Girder Bolts</b>	Unrated	No access
<b>Gravel Surface</b>	Unrated	Not applicable
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Poor	Deck worn
<b>Overall Deck Condition</b>	Poor	Replace running deck and curbs
<b>Running Planks</b>	Poor	Worn and rotten
<b>Sub Deck</b>	Unrated	No access
<b>Ties</b>	Unrated	No access
<b>Span 3</b>		
<b>Curb Rail/Blocks/Posts</b>	Poor	Damaged and rotten
<b>Deck to Girder Bolts</b>	Unrated	No access
<b>Gravel Surface</b>	Unrated	Not applicable
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Poor	Deck worn

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 301 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G1-690	<b>Structure Name:</b>	G1-690	<b>Road Name:</b>	UNNAMED 1	<b>Inspection Date:</b>	2022/08/14
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<b>Overall Deck Condition</b>	Poor	Replace running deck and curbs
<b>Running Planks</b>	Poor	Worn and rotten
<b>Sub Deck</b>	Unrated	No access
<b>Ties</b>	Unrated	No access

### PIERS

#### Pier 1

<b>Bearings</b>	Unrated	No access
<b>Bracing or Sheathing</b>	Not Applicable	
<b>Caps</b>	Unrated	No pier caps
<b>Cribs</b>	Not Applicable	
<b>Dolphins</b>	Not Applicable	
<b>Hardware</b>	Unrated	No access
<b>Overall</b>	Unrated	Only can look closely at the lower portion, footing in the water is eroded and exposed
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Not Applicable	
<b>Wall</b>	Good	Visually okay

#### Pier 2

<b>Bearings</b>	Unrated	No access
<b>Bracing or Sheathing</b>	Not Applicable	
<b>Caps</b>	Unrated	No pier caps
<b>Cribs</b>	Not Applicable	
<b>Dolphins</b>	Not Applicable	
<b>Hardware</b>	Unrated	No access
<b>Overall</b>	Unrated	Only portion reachable was inspected closely, rest is not accessible
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Not Applicable	
<b>Wall</b>	Good	Visually okay

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 302 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G1-690	<b>Structure Name:</b>	G1-690	<b>Road Name:</b>	UNNAMED 1	<b>Inspection Date:</b>	2022/08/14
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<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	
<b>Span 2</b>		
<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	
<b>Span 3</b>		
<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	3.0	<b>Estimated Present Water Level Width:</b>	30.0
	<b>Estimated High Water Level Clearance:</b>	7.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	Yes	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	Pier 1 footing is exposed due to erosion in the water								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	10	Required	Low	\$ 0.00	Clean road spill from the girders and bearings for the abutments
	11	Required	Low	\$ 0.00	Replace all curbs and risers
	12	Required	Medium		Replace the running deck on all spans
	13	Not Required	Low	\$ 0.00	Left abutment bearing 2 grout pad needs repair
	14	Required	Low		Reconnect and realign fenders on all corners

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 303 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G1-690	Structure Name:	G1-690	Road Name:	UNNAMED 1	Inspection Date:	2022/08/14
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MONITORS	#	Description
	1	Monitor pier 1 footing erosion in the water
	2	Monitor the left abutment bearing 2 grout pad for further deterioration

GENERAL	Inspector's Comment:	
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GENERAL	PEng's Comment:	The current loadrating will be maintained. However, medium- to high-priority repairs should be completed.
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GENERAL	Estimated Load Restriction (year):	2025	Estimated Replacement (year):			
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Sey Choi on 2023/01/18 08:17:01		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 304 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G1-691	<b>Structure Name:</b>	G1-691A	<b>Road Name:</b>	UNNAMED 1	<b>Inspection Date:</b>	2021/09/07
<b>KM:</b>	28.00	<b>User km:</b>	646.60	<b>Crossing Name:</b>	Muskeg River	<b>Next Inspection Date:</b>	2024/09/07
<b>Project File ID #:</b>	6480	<b>Br.</b>	10	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Concrete		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Steel Pipe and Precast Pad	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Steel Pipe and Precast Pad	
<b>Total Length (metres):</b>	27.4	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	27.43
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	490308		<b>UTM Northing:</b>	6029666
<b>Inspector Name:</b>	Gary Zsombor			<b>Year Superstructure Installed:</b>	2020		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Good	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Unrated	none
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Road Surface</b>	Good	

### DECK

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 305 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G1-691	<b>Structure Name:</b>	G1-691A	<b>Road Name:</b>	UNNAMED 1	<b>Inspection Date:</b>	2021/09/07
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Span 1		
Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

SUPERSTRUCTURE		
Span 1		
Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	1.0	<b>Estimated Present Water Level Width:</b>	16.0
	<b>Estimated High Water Level Clearance:</b>	1.8		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

<b>MONITORS</b>	#	Description

**Corporate Bridge Register (CBR)**

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 306 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G1-691	<b>Structure Name:</b>	G1-691A	<b>Road Name:</b>	UNNAMED 1	<b>Inspection Date:</b>	2021/09/07
<b>GENERAL</b>	<b>Inspector's Comment:</b>	New install, no issues					
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2065		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/10 14:58:05			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 307 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-540	<b>Structure Name:</b>	G4-934	<b>Road Name:</b>	OWEN	<b>Inspection Date:</b>	2023/09/02
<b>KM:</b>	10.50	<b>User km:</b>	10.50	<b>Crossing Name:</b>	Un-named Creek	<b>Next Inspection Date:</b>	2026/09/02
<b>Project File ID #:</b>	6480	<b>Br.</b>	29	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Sill - Permanent Materials	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Sill - Permanent Materials	
<b>Total Length (metres):</b>	15.2	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	15.2
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	457252		<b>UTM Northing:</b>	6021841
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2015		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Fair	some rot
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Not Applicable	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	1	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Fair	Reset approach log on Right bank upstream cornerf
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	Should load rate and post
<b>Road Surface</b>	Fair	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 308 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-540	Structure Name:	G4-934	Road Name:	OWEN	Inspection Date:	2023/09/02
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	one broken riser block
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
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:	0.5		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
4	Required	Low	\$	Brush out around bridge.
5	Required	Medium		Replace riser block. One piece of 10 x 10 x 24 inch Timber
6	Required	Medium		Reset approach log so it is on the road surface

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 309 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-540	<b>Structure Name:</b>	G4-934	<b>Road Name:</b>	OWEN	<b>Inspection Date:</b>	2023/09/02
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<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	2	Monitor rot in ballast wall.

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure has low clearance and some minor repair items. PEng should inspect and load rate if required for heavy industrial use. Ballast wall appears to be consistent in regards to rot as the previous inspection.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Address minor repairs. BH
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2030	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	68	<b>Design Load GVW (tonnes):</b>	
	<b>Design Vehicle Config.:</b>		<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/10 14:09:39

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 310 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-541	Structure Name:	G5-915	Road Name:	OWEN	Inspection Date:	2022/06/21
KM:	10.80	User km:	10.80	Crossing Name:	Un-named Creek	Next Inspection Date:	2024/06/21
Project File ID #:	6480	Br.	29	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Treated			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Sill -Temporary Materials	
Superstructure:	Steel I-beam				Right	Sill -Temporary Materials	
Total Length (metres):	10.0	# Spans:	1	Span Width:			Span Length(s) (metres): 10
UTM Zone:	10		UTM Easting:	456916		UTM Northing:	6021852
Inspector Name:	Warren Wilkinson			Year Superstructure Installed:	2015		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Fair	log construction pealed right side, unpeeled left side, ants
Corrosion Protection	Not Applicable	
Caps or Sills	Good	sills, 3 D-Fir timbers bolted together sitting on ground
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Not Applicable	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	1	down chain
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Poor	logs sitting on ground, rot
Posted Load Rating (Enter 0 if sign missing)	68	
Road Surface	Poor	wilderness

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 311 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-541	Structure Name:	G5-915	Road Name:	OWEN	Inspection Date:	2022/06/21
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	clips
Hardware	Good	
Hand Rails/Walkouts	Good	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Good	

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	1.5
	Estimated High Water Level Clearance:	0.4		

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

REPAIRS	#	Status	Priority	Estimate	Description

MONITORS	#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 312 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-541	<b>Structure Name:</b>	G5-915	<b>Road Name:</b>	OWEN	<b>Inspection Date:</b>	2022/06/21
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	Ballast walls deteriorating due to rot and ants. Continue monitoring. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2030	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	68	<b>Design Load GVW (tonnes):</b>	68	<b>Design Vehicle Config.:</b>	L75	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 09:22:52			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 313 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-476	<b>Structure Name:</b>	G4-920	<b>Road Name:</b>	OWEN	<b>Inspection Date:</b>	2023/09/02
<b>KM:</b>	2.70	<b>User km:</b>		<b>Crossing Name:</b>	Un-named Creek	<b>Next Inspection Date:</b>	2025/09/02
<b>Project File ID #:</b>	6480	<b>Br.</b>	29	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated - Panels			<b>Running Surface:</b>	Not Available		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Crib, Log or Untreated Timber	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Crib, Log or Untreated Timber	
<b>Total Length (metres):</b>	15.2	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	15.2
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	464057	<b>UTM Northing:</b>	6020966	
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	2014			
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Fair	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Fair	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Fair	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Log/Timber Cribs</b>	Fair	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Not Applicable	
<b>Tie-backs</b>	Fair	
<b>Wing Wall</b>	Fair	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Poor	Fender logs need to be reset

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 314 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-476	Structure Name:	G4-920	Road Name:	OWEN	Inspection Date:	2023/09/02
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Posted Load Rating (Enter 0 if sign missing)	0
Road Surface	Fair

### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good
Deck to Girder Bolts	Good
Hardware	Good
Hand Rails/Walkouts	Not Applicable
Nails	Good
Overall Deck Condition	Good
Running Planks	Good
Sub Deck	Good
Ties	Good

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.3	Estimated Present Water Level Width:	5.0
	Estimated High Water Level Clearance:	1.6		

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

REPAIRS	#	Status	Priority	Estimate	Description
	9	Required	Low	\$ 750.00	Replace broken riser block - 1 piece of 10 x 10 x 24 inches
	10	Required	Medium	\$ 0.00	Replace one damaged running plank.

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 315 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-476	Structure Name:	G4-920	Road Name:	OWEN	Inspection Date:	2023/09/02
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<b>MONITORS</b>	#	Description
	2	Monitor rot in crib. Has been noted since 2017.

<b>GENERAL</b>	<b>Inspector's Comment:</b>	this structure has older log cribs with fungus growing on them. When assessed some portions of cribbing is sound, other areas are softer showing pocket rot. If required for industrial useage, this structure should be inspected by a PEng. Otherwise it is fine for occassional traffic. Consider load rating structure due to crib condition.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Log cribs nearing end of life. Consider replacing abutments before industrial use. BH
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/10 14:00:41		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 316 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-479	<b>Structure Name:</b>	JH-93	<b>Road Name:</b>	46 ROAD	<b>Inspection Date:</b>	2021/09/07	
<b>KM:</b>	2.40	<b>User km:</b>	2.40	<b>Crossing Name:</b>	Unnamed	<b>Next Inspection Date:</b>	2024/09/07	
<b>Project File ID #:</b>	6480	<b>Br.</b>	30	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated - Panels			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	7.3	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	7.3
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	445975		<b>UTM Northing:</b>	6058634	
<b>Inspector Name:</b>	Gary Zsombor			<b>Year Superstructure Installed:</b>	2009			
<b>Access:</b>	Structure installed G5-988 = JH-93 LNH (2020-05-05)							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Poor	Settled
<b>Hardware</b>	Not Applicable	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Poor	Left corner pushed over
<b>Road Surface</b>	Poor	Approach fill settled

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 317 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-479	Structure Name:	JH-93	Road Name:	46 ROAD	Inspection Date:	2021/09/07
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	1.2
Estimated High Water Level Clearance:	0.5		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
1	Required	Medium		Add additional material to bring road grade to deck elevation
2	Required	Medium		Reset left upstream corner
3	Required	Medium		Add signs

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 318 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-479	<b>Structure Name:</b>	JH-93	<b>Road Name:</b>	46 ROAD	<b>Inspection Date:</b>	2021/09/07
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Swamp complex. Standing water with minimal flow to SE.				
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. JDS				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2024	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>		<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jordan Smith on 2022/02/10 13:00:39		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 319 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-080	Structure Name:	G5-080	Road Name:	CUNNINGHAM	Inspection Date:	2022/07/07
KM:	23.30	User km:	23.30	Crossing Name:	Un-named	Next Inspection Date:	2025/07/07
Project File ID #:	7537	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Steel Pipe and Precast Pad	
Superstructure:	Concrete Slab Girders				Right	Steel Pipe and Precast Pad	
Total Length (metres):	9.6	# Spans:	1	Span Width:		Span Length(s) (metres):	9.6
UTM Zone:	10		UTM Easting:	397629		UTM Northing:	6030468
Inspector Name:	Warren Wilkinson			Year Superstructure Installed:	2012		
Access:							

### ABUTMENTS

Bearings	Excellent	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	sills- some clips out of bottom
Fill	Good	
Hardware	Good	
Piles or Posts	Good	posts
Riprap	Good	big
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	corner/ hill on down side
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Fair	damaged fenders by grader
Posted Load Rating (Enter 0 if sign missing)	91	
Road Surface	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 320 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-080	Structure Name:	G5-080	Road Name:	CUNNINGHAM	Inspection Date:	2022/07/07
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Fair	right side downstream spalling from prier curb hit- maybe bigger
Deck Joints	Poor	no grout or any type of fill
Grout Pockets	Not Applicable	
Grout Pockets	Not Applicable	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Not Applicable	
Hardware	Good	
Welded/grouted shear connectors	Fair	two clip joints are uneven

CHANNEL	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	1.0
	Estimated High Water Level Clearance:	2.0		

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

REPAIRS	#	Status	Priority	Estimate	Description
	3	Required	High	\$ 0.00	Repair deck damage due to impact to guard rail. Downstream right side.
4	Required	Medium		Install backing and paraseal to slab joints.	

MONITORS	#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 321 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-080	<b>Structure Name:</b>	G5-080	<b>Road Name:</b>	CUNNINGHAM	<b>Inspection Date:</b>	2022/07/07
<b>GENERAL</b>	<b>Inspector's Comment:</b>	check previous photos of spalling on deck 1.check photos and contact engineer about uneven clips					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Repair deck damage near d/s right side guard rail. Needs backing rod and paraseal in slab joints. Appears to be missing. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2057	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/25 11:31:14			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 322 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-084	Structure Name:	G5-084	Road Name:	CUNNINGHAM	Inspection Date:	2022/07/07
KM:	27.00	User km:	27.00	Crossing Name:	unnamed	Next Inspection Date:	2025/07/07
Project File ID #:	7537	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Open Bottom		Culvert Material:	Corrugated Steel			
Inlet Cover (mm):	500		Outlet Cover (mm):	500			
Footing Type:	Steel Footing		Gradient (%):				
Culvert Length (metres):	11.0	Opening Height (mm):	1,440	Opening Width (mm):	2,740		
UTM Zone:	10	UTM Easting:	394366	UTM Northing:	6032386		
Inspector Name:	Warren Wilikinson		Year Superstructure Installed:	2009			
Access:							

### APPROACHES

Alignment	Good	on corner
Bridge Ahead Signs Missing	2	
Brushing Required	No	
Delineator Missing Left (approaching structure)	2	
Delineator Missing Right (approaching structure)	2	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Good	
Coupled Connections	Not Applicable	
Coating	Good	
Embedment Materials	Good	material has washed down stream built up at inlet
Fill	Good	1/2 m
Floor	Not Applicable	
Footing	Not Applicable	cannot see footings
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 323 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-084	<b>Structure Name:</b>	G5-084	<b>Road Name:</b>	CUNNINGHAM	<b>Inspection Date:</b>	2022/07/07
<b>Inlet</b>	Good	riprap sitting in front of inlet not constricting water flow					
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Not Applicable	some big rocks at inlet/outlet					
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	0.5
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	

<b>GENERAL</b>	<b>PEng's Comment:</b>	Looks good. BH

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 324 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-084	<b>Structure Name:</b>	G5-084	<b>Road Name:</b>	CUNNINGHAM	<b>Inspection Date:</b>	2022/07/07
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2059	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	64	<b>Design Load GVW (tonnes):</b>	64	<b>Design Vehicle Config.:</b>	BCL62	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/29 08:24:38			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 325 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-081	Structure Name:	G5-081	Road Name:	CUNNINGHAM	Inspection Date:	2022/09/30
KM:	29.80	User km:	29.80	Crossing Name:	Un-named	Next Inspection Date:	2025/09/30
Project File ID #:	7537	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Steel Pipe and Precast Pad	
Superstructure:	Concrete Slab Girders				Right	Steel Pipe and Precast Pad	
Total Length (metres):	8.6	# Spans:	1	Span Width:		Span Length(s) (metres):	8.6
UTM Zone:	10	UTM Easting:	392690	UTM Northing:	6033955		
Inspector Name:	Warren Wilkinson			Year Superstructure Installed:	2012		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	all part of sill
Corrosion Protection	Not Applicable	
Caps or Sills	Good	sill
Fill	Good	
Hardware	Not Applicable	
Piles or Posts	Good	post
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	91	
Road Surface	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 326 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-081	Structure Name:	G5-081	Road Name:	CUNNINGHAM	Inspection Date:	2022/09/30
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	
Deck Joints	Good	
Grout Pockets	Not Applicable	
Grout Pockets	Not Applicable	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Not Applicable	
Hardware	Good	
Welded/grouted shear connectors	Good	

CHANNEL	Estimated Present Water Level Depth:	0.3	Estimated Present Water Level Width:	2.0
	Estimated High Water Level Clearance:	1.0		

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

REPAIRS	#	Status	Priority	Estimate	Description
	4	Required	Medium		Install paraseal and backing in joints.

MONITORS	#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 327 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-081	<b>Structure Name:</b>	G5-081	<b>Road Name:</b>	CUNNINGHAM	<b>Inspection Date:</b>	2022/09/30
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	Missing backing and paraseal in joints. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2057		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/25 13:02:55			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 328 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-082	<b>Structure Name:</b>	G5-082	<b>Road Name:</b>	CUNNINGHAM	<b>Inspection Date:</b>	2022/06/30
<b>KM:</b>	62.20	<b>User km:</b>	62.20	<b>Crossing Name:</b>	unnamed	<b>Next Inspection Date:</b>	2025/06/30
<b>Project File ID #:</b>	7537	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	720		<b>Outlet Cover (mm):</b>	720			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	13.5	<b>Opening Height (mm):</b>	2,000	<b>Opening Width (mm):</b>	2,000		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	366492	<b>UTM Northing:</b>	6043695		
<b>Inspector Name:</b>	Warren Wilkinson		<b>Year Superstructure Installed:</b>	2009			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Fair	s corner
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	2	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	2	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	1m
<b>Floor</b>	Fair	rust
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 329 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-082	<b>Structure Name:</b>	G5-082	<b>Road Name:</b>	CUNNINGHAM	<b>Inspection Date:</b>	2022/06/30
<b>Inlet</b>	Good	large rocks @ inlet					
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Poor	not very much					
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	1.3	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	1.3		

<b>HAZARDS</b>	<b>High Water:</b>	Yes	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	2	water level

<b>GENERAL</b>	<b>Inspector's Comment:</b>	
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<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 330 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-082	<b>Structure Name:</b>	G5-082	<b>Road Name:</b>	CUNNINGHAM	<b>Inspection Date:</b>	2022/06/30
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2059	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b> L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/11/25 12:05:29		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 331 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-083	Structure Name:	G5-083	Road Name:	CUNNINGHAM	Inspection Date:	2022/06/30
KM:	62.80	User km:	62.80	Crossing Name:	unnamed	Next Inspection Date:	2025/06/30
Project File ID #:	7537	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Open Bottom		Culvert Material:	Corrugated Steel			
Inlet Cover (mm):	940		Outlet Cover (mm):	940			
Footing Type:	Steel Footing		Gradient (%):	3.5			
Culvert Length (metres):	14.8	Opening Height (mm):	1,870	Opening Width (mm):	4,570		
UTM Zone:	10	UTM Easting:	366287	UTM Northing:	6043677		
Inspector Name:	Warren Wilkinson		Year Superstructure Installed:	2009			
Access:							

### APPROACHES

Alignment	Poor	S corner
Bridge Ahead Signs Missing	2	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	2	
Delineator Missing Right (approaching structure)	2	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Good	
Coupled Connections	Not Applicable	
Coating	Good	
Embedment Materials	Not Applicable	
Fill	Good	1 1/2 m
Floor	Not Applicable	open bottom
Footing	Poor	can not see
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 332 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-083	<b>Structure Name:</b>	G5-083	<b>Road Name:</b>	CUNNINGHAM	<b>Inspection Date:</b>	2022/06/30
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Excellent						
<b>Riprap</b>	Good		some in stream				
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.5	<b>Estimated Present Water Level Width:</b>	4.6
	<b>Estimated High Water Level Clearance:</b>	0.8		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	@ Time of inspection water level was high								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	

<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 333 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-083	<b>Structure Name:</b>	G5-083	<b>Road Name:</b>	CUNNINGHAM	<b>Inspection Date:</b>	2022/06/30
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2059	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b> L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/11/25 12:20:20		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 334 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-001	Structure Name:	G5-001	Road Name:	CUNNINGHAM	Inspection Date:	2022/07/07
KM:	17.60	User km:	916.80	Crossing Name:	Sowchea Creek	Next Inspection Date:	2025/07/07
Project File ID #:	7537	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete Composite			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials	
Superstructure:	Steel I-beam				Right	Pile -Permanent Materials	
Total Length (metres):	21.0	# Spans:	1	Span Width:			Span Length(s) (metres): 21
UTM Zone:	10		UTM Easting:	400954		UTM Northing:	6026923
Inspector Name:	Warren Wilikinson		Year Superstructure Installed:	2001			
Access:							

### ABUTMENTS

Bearings	Fair	see cap notes above
Bracing	Fair	one post bracing right downstream has broken weld
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Fair	caps- several are uneven left side not level
Fill	Good	
Hardware	Good	
Piles or Posts	Fair	posts- not straight leaning back to front
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	hill corner right side
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	right upstream approach
Delineator Missing Left (approaching structure)	2	
Delineator Missing Right (approaching structure)	1	
Fender Condition	Fair	left downstream has settled
Posted Load Rating (Enter 0 if sign missing)	91	
Road Surface	Good	

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 335 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-001	Structure Name:	G5-001	Road Name:	CUNNINGHAM	Inspection Date:	2022/07/07
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	
Deck Joints	Fair	
Grout Pockets	Fair	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	note bottom of I beams are concaved
Hardware	Good	
Under Trussing	Good	

### CHANNEL

Estimated Present Water Level Depth:	1.0	Estimated Present Water Level Width:	3.0
Estimated High Water Level Clearance:	4.0		

### HAZARDS

High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
Comment:	log in water upstream of bridge								

### REPAIRS

#	Status	Priority	Estimate	Description
1	Required	High	\$ 0.00	delineators
2	Required	Medium	\$ 0.00	broken post \ bracing bracket

### MONITORS

#	Description
1	uneven gaps for bearing plates
2	broken brace for post

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 336 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-001	<b>Structure Name:</b>	G5-001	<b>Road Name:</b>	CUNNINGHAM	<b>Inspection Date:</b>	2022/07/07
<b>GENERAL</b>	<b>Inspector's Comment:</b>	discuss with pens beavers					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Bridge ok. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2051		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/23 14:27:12			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 337 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-002	Structure Name:	G5-002	Road Name:	CUNNINGHAM	Inspection Date:	2002/08/09
KM:	64.00	User km:	964.90	Crossing Name:	Unnamed creek	Next Inspection Date:	2005/08/09
Project File ID #:	7537	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round		Culvert Material:	Corrugated Steel			
Inlet Cover (mm):	4,000		Outlet Cover (mm):	4,000			
Footing Type:			Gradient (%):	2.0			
Culvert Length (metres):	34.0	Opening Height (mm):	1,800	Opening Width (mm):	1,800		
UTM Zone:	10	UTM Easting:	364149	UTM Northing:	6043994		
Inspector Name:	Gary Zsombor		Year Superstructure Installed:	1983			
Access:	Minor culvert						

### APPROACHES

Bridge Ahead Signs Missing	2	No Comment Available -Converter.RNI
Delineator Missing Left (approaching structure)	2	No Comment Available -Converter.RNI
Delineator Missing Right (approaching structure)	2	No Comment Available -Converter.RNI
Posted Load Rating (Enter 0 if sign missing)	0.0	No Comment Available -Converter.RNI
Road Surface	Good	No Comment Available -Converter.RNI

### CULVERT ELEMENT

Coupled Connections	Good	No Comment Available -Converter.RNI
Coating	Good	No Comment Available -Converter.RNI
Fill	Good	No Comment Available -Converter.RNI
Floor	Good	No Comment Available -Converter.RNI
Inlet	Good	No Comment Available -Converter.RNI
Outlet	Excellent	No Comment Available -Converter.RNI
Roof	Good	No Comment Available -Converter.RNI
Side Walls	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 338 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-002	<b>Structure Name:</b>	G5-002	<b>Road Name:</b>	CUNNINGHAM	<b>Inspection Date:</b>	2002/08/09
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>			
	<b>Estimated High Water Level Clearance:</b>			1.2			
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b> No
	<b>Aggradation:</b>	No					
<b>Comment:</b>							
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>		
<b>MONITORS</b>	<b>#</b>	<b>Description</b>					
	1	Monitor for scour as no rip rap is present. Monitor beaver dam surrounding inlet.					
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2033	<b>Estimated Replacement (year):</b>		
	<b>Current Inspection Load Rating:</b>	54	<b>Design Load GVW (tonnes):</b>	54	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By IDIR\RMGETZLA on 2012/04/10 09:21:51			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 339 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-003	<b>Structure Name:</b>	G5-003	<b>Road Name:</b>	CUNNINGHAM	<b>Inspection Date:</b>	2002/08/09
<b>KM:</b>	65.90	<b>User km:</b>	965.90	<b>Crossing Name:</b>	Larson's Leap Creek	<b>Next Inspection Date:</b>	2030/01/01
<b>Project File ID #:</b>	7537	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	9,000			<b>Outlet Cover (mm):</b>	9,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>	3.0		
<b>Culvert Length (metres):</b>	61.0	<b>Opening Height (mm):</b>	1,600	<b>Opening Width (mm):</b>	1,600		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	363103	<b>UTM Northing:</b>	6043694		
<b>Inspector Name:</b>	Gary Zsombor			<b>Year Superstructure Installed:</b>	1986		
<b>Access:</b>	Minor culvert 1600						

### APPROACHES

<b>Bridge Ahead Signs Missing</b>	2	No Comment Available -Converter.RNI
<b>Delineator Missing Left</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Delineator Missing Right</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0.0	No Comment Available -Converter.RNI
<b>Road Surface</b>	Good	No Comment Available -Converter.RNI

### CULVERT ELEMENT

<b>Coupled Connections</b>	Good	No Comment Available -Converter.RNI
<b>Coating</b>	Good	No Comment Available -Converter.RNI
<b>Fill</b>	Good	No Comment Available -Converter.RNI
<b>Floor</b>	Good	No Comment Available -Converter.RNI
<b>Inlet</b>	Excellent	No Comment Available -Converter.RNI
<b>Outlet</b>	Excellent	No Comment Available -Converter.RNI
<b>Riprap</b>	Good	No Comment Available -Converter.RNI
<b>Roof</b>	Good	No Comment Available -Converter.RNI
<b>Side Walls</b>	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 340 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-003	<b>Structure Name:</b>	G5-003	<b>Road Name:</b>	CUNNINGHAM	<b>Inspection Date:</b>	2002/08/09
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>			
	<b>Estimated High Water Level Clearance:</b>			0.8			
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b> No
	<b>Aggradation:</b>	No					
<b>Comment:</b>							
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>		
<b>MONITORS</b>	<b>#</b>	<b>Description</b>					
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2036	<b>Estimated Replacement (year):</b>		
	<b>Current Inspection Load Rating:</b>	54	<b>Design Load GVW (tonnes):</b>	54	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By IDIR\RMGETZLA on 2012/04/10 09:24:31			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 341 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-006	<b>Structure Name:</b>	G5-006	<b>Road Name:</b>	ANTIMONY	<b>Inspection Date:</b>	2021/10/14	
<b>KM:</b>	0.40	<b>User km:</b>	0.40	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2024/10/14	
<b>Project File ID #:</b>	7537	<b>Br.</b>	05	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel Truss/Bailey/Acrow				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	9.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	9
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	397201		<b>UTM Northing:</b>	6031028	
<b>Inspector Name:</b>	Gary Zsombor			<b>Year Superstructure Installed:</b>	2002			
<b>Access:</b>	Turn right at km 24 on the Cunningham FSR							

### ABUTMENTS

<b>Bearings</b>	Poor	Crushing timber sill
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Poor	Showing rot and crushing under bearings
<b>Fill</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Fair	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 342 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-006	<b>Structure Name:</b>	G5-006	<b>Road Name:</b>	ANTIMONY	<b>Inspection Date:</b>	2021/10/14
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<b>Road Surface</b>	Fair	
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### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Fair	200mm timbers
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Good	
<b>Running Planks</b>	Fair	
<b>Sub Deck</b>	Good	
<b>Ties</b>	Unrated	None

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Fair	Bent but not structural
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	0.5
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	Yes	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	4	Required	Medium	\$ 0.00	Install both bridge ahead signs
	5	Required	Medium	\$ 0.00	Minor brush removal
	6	Required	High	\$ 0.00	Remove beaver dam. Will flood approach if height increases
	7	Required	High		Replace timber sills

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 343 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-006	Structure Name:	G5-006	Road Name:	ANTIMONY	Inspection Date:	2021/10/14
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	Recommend load restriction				
	PEng's Comment:	Replace timber sills before industrial use. May be downrated at any time due to poor sills. BH				
<b>GENERAL</b>	Estimated Load Restriction (year):	2025	Estimated Replacement (year):			
	Current Inspection Load Rating:	68	Design Load GVW (tonnes):	68	Design Vehicle Config.:	
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/02/04 12:10:47		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 344 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-007	Structure Name:	G5-007	Road Name:	ANTIMONY	Inspection Date:	2021/10/14
KM:	1.60	User km:	1.60	Crossing Name:	Ucausley Creek tributary	Next Inspection Date:	2024/10/14
Project File ID #:	7537	Br.	05	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel Truss/Bailey/Acrow				Right	Concrete Lock Blocks	
Total Length (metres):	12.0	# Spans:	1	Span Width:			Span Length(s) (metres): 12
UTM Zone:	10		UTM Easting:	397480		UTM Northing:	6032148
Inspector Name:	Gary Zsombor			Year Superstructure Installed:	2002		
Access:	Turn right at km 24 on the Cunningham FSR.						

### ABUTMENTS

Bearings	Poor	Crushing timber sill
Bracing	Not Applicable	
Ballast Wall	Fair	
Concrete Lock Blocks	Good	
Concrete Precast	Good	
Corrosion Protection	Good	
Caps or Sills	Poor	Show signs of decay and crushing under bearing
Fill	Fair	
Hardware	Not Applicable	
Piles or Posts	Not Applicable	
Riprap	Fair	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	2	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 345 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-007	Structure Name:	G5-007	Road Name:	ANTIMONY	Inspection Date:	2021/10/14
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Posted Load Rating (Enter 0 if sign missing)	68	
Road Surface	Fair	

### DECK

#### Span 1

Curb Rail/Blocks/Posts	Fair	200mm x 200mm timbers
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Fair	
Overall Deck Condition	Fair	
Running Planks	Fair	Showing some rot
Sub Deck	Fair	Indicators of decay
Ties	Unrated	N/A

### SUPERSTRUCTURE

#### Span 1

Bracing	Fair	One bent but not structural
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Not Applicable	

CHANNEL	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	1.0
	Estimated High Water Level Clearance:	2.5		

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

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 346 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-007	<b>Structure Name:</b>	G5-007	<b>Road Name:</b>	ANTIMONY	<b>Inspection Date:</b>	2021/10/14
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REPAIRS	#	Status	Priority	Estimate	Description
	4	Required	Medium	\$ 0.00	Install both bridge ahead signs
	5	Required	Medium	\$ 0.00	Minor brushing around abutments
	6	Required	Medium		Replace timber sills

MONITORS	#	Description

GENERAL	<b>Inspector's Comment:</b>	
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GENERAL	<b>PEng's Comment:</b>	Consider replacing sills. Indicating rot in decking. May be downrated at any time.
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GENERAL	<b>Estimated Load Restriction (year):</b>	2025	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	68	<b>Design Load GVW (tonnes):</b>	68
	<b>Design Vehicle Config.:</b>			
<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/06 13:31:21	

### Corporate Bridge Register (CBR)

Disclaimer:  
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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 347 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-086	Structure Name:	G5-971	Road Name:	WEST PAM FSR	Inspection Date:	2022/06/30
KM:	0.65	User km:	0.65	Crossing Name:	Unnamed Stream	Next Inspection Date:	2024/06/30
Project File ID #:	7537	Br.	25	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Sill -Temporary Materials	
Superstructure:	Steel I-beam				Right	Sill -Temporary Materials	
Total Length (metres):	12.2	# Spans:	1	Span Width:			Span Length(s) (metres): 12.19
UTM Zone:	10		UTM Easting:	394002		UTM Northing:	6039212
Inspector Name:	warren wilkinson			Year Superstructure Installed:	2021		
Access:							

### ABUTMENTS

Bearings	Good	sitting in notches cut into sill log
Bracing	Not Applicable	
Ballast Wall	Good	unpeeled logs spruce
Corrosion Protection	Not Applicable	
Caps or Sills	Good	sill log lying directly on ground spruce
Fill	Poor	soft, rutted, standing water in ruts
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Fair	located just under bridge
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	delineators are reversed, on the wrong side, left delineators on right side, right delineators on left side
Delineator Missing Right (approaching structure)	0	delineators are reversed, on the wrong side, left delineators on right side, right delineators on left side
Fender Condition	Good	very close to edge of road, road is soft and there is the likely hood that they may fall off the edge

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 348 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-086	Structure Name:	G5-971	Road Name:	WEST PAM FSR	Inspection Date:	2022/06/30
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Posted Load Rating (Enter 0 if sign missing)	68	
Road Surface	Poor	wilderness level, new bridge so industry will be doing repairs

### DECK

#### Span 1

Curb Rail/Blocks/Posts	Excellent	brand new install
Deck to Girder Bolts	Good	brand new install, clips
Hardware	Good	brand new install
Hand Rails/Walkouts	Not Applicable	
Nails	Excellent	brand new install
Overall Deck Condition	Good	brand new install
Running Planks	Good	brand new install
Sub Deck	Excellent	brand new install
Ties	Excellent	brand new install

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Not Applicable	wellded
Under Trussing	Good	one bent

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	2.0
	Estimated High Water Level Clearance:	0.5		

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

REPAIRS	#	Status	Priority	Estimate	Description
	1	Required	High	\$ 500.00	delineators are reversed left to right, right to left

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 349 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-086	Structure Name:	G5-971	Road Name:	WEST PAM FSR	Inspection Date:	2022/06/30
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:					
	PEng's Comment:	Bridge good. BH				
<b>GENERAL</b>	Estimated Load Restriction (year):	2026	Estimated Replacement (year):			
	Current Inspection Load Rating:	68	Design Load GVW (tonnes):		Design Vehicle Config.:	L75
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/11/28 15:04:20		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 350 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-055	<b>Structure Name:</b>	G4-055	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2022/10/20
<b>KM:</b>	26.50	<b>User km:</b>	26.50	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2025/10/20
<b>Project File ID #:</b>	7655	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Elliptical			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	1,000			<b>Outlet Cover (mm):</b>	1,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	20.7	<b>Opening Height (mm):</b>	1,630	<b>Opening Width (mm):</b>	2,240		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	415341	<b>UTM Northing:</b>	5968528		
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1998		
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Good	
<b>Coupled Connections</b>	Not Applicable	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Good	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 351 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-055	<b>Structure Name:</b>	G4-055	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2022/10/20
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	0.4
	<b>Estimated High Water Level Clearance:</b>	0.7		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. No issues noted during the inspection.

<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 352 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-055	<b>Structure Name:</b>	G4-055	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2022/10/20
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2048	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/12/08 12:35:49		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 353 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-056	Structure Name:	G4-056	Road Name:	KLUSKUS	Inspection Date:	2002/07/10
KM:	27.00	User km:	27.00	Crossing Name:	Unnamed creek	Next Inspection Date:	2030/01/01
Project File ID #:	7655	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	2,500			Outlet Cover (mm):	2,500		
Footing Type:				Gradient (%):			
Culvert Length (metres):	20.0	Opening Height (mm):	1,800	Opening Width (mm):	1,800		
UTM Zone:	10	UTM Easting:	415185	UTM Northing:	5967875		
Inspector Name:	Ed Cienciala			Year Superstructure Installed:	1998		
Access:							

### APPROACHES

Bridge Ahead Signs Missing	2	No Comment Available -Converter.RNI
Delineator Missing Left (approaching structure)	2	No Comment Available -Converter.RNI
Delineator Missing Right (approaching structure)	2	No Comment Available -Converter.RNI
Posted Load Rating (Enter 0 if sign missing)	0.0	No Comment Available -Converter.RNI
Road Surface	Good	No Comment Available -Converter.RNI

### CULVERT ELEMENT

Coupled Connections	Good	No Comment Available -Converter.RNI
Coating	Good	No Comment Available -Converter.RNI
Fill	Good	No Comment Available -Converter.RNI
Floor	Good	No Comment Available -Converter.RNI
Inlet	Good	No Comment Available -Converter.RNI
Outlet	Good	No Comment Available -Converter.RNI
Riprap	Good	No Comment Available -Converter.RNI
Roof	Good	No Comment Available -Converter.RNI
Side Walls	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 354 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-056	<b>Structure Name:</b>	G4-056	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2002/07/10			
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>						
	<b>Estimated High Water Level Clearance:</b>			1.3						
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>					
<b>MONITORS</b>	<b>#</b>	<b>Description</b>								
<b>GENERAL</b>	<b>Inspector's Comment:</b>									
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments								
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2048	<b>Estimated Replacement (year):</b>					
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By IDIR\RMGETZLA on 2012/04/12 16:28:57						

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 355 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-048	Structure Name:	G4-048	Road Name:	KLUSKUS	Inspection Date:	2022/10/20
KM:	33.50	User km:	33.50	Crossing Name:	Unnamed creek	Next Inspection Date:	2025/10/20
Project File ID #:	7655	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Elliptical			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	1,500			Outlet Cover (mm):	1,500		
Footing Type:				Gradient (%):			
Culvert Length (metres):	18.9	Opening Height (mm):	2,080	Opening Width (mm):	2,690		
UTM Zone:	10	UTM Easting:	412440	UTM Northing:	5962541		
Inspector Name:	John Brett			Year Superstructure Installed:	1998		
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Excellent	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Good	
Coupled Connections	Not Applicable	
Coating	Good	surface rust on bottom
Embedment Materials	Not Applicable	
Fill	Good	
Floor	Good	
Footing	Not Applicable	
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 356 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-048	<b>Structure Name:</b>	G4-048	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2022/10/20
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Fair	right bank riprap at inlet has migrated forward into creek					
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	0.9		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	2	Required	Medium	\$	rebuild riprap apron on upstream right bank. remove migrated riprap form stream channel.

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. There is some scoured riprap that has migrated forward into the creek at the inlet on the right bank. The migrated riprap does not appear to be affecting flow of the culvert however should be removed from the creek and used to rebuild / key in to the riprap apron.
	<b>PEng's Comment:</b>	Key in rip rap on right side of inlet. BH

<b>GENERAL</b>	<b>PEng's Comment:</b>	Key in rip rap on right side of inlet. BH
----------------	------------------------	---

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 357 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-048	<b>Structure Name:</b>	G4-048	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2022/10/20
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2048	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/08 12:31:48			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 358 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-061	<b>Structure Name:</b>	G4-061	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2023/09/05
<b>KM:</b>	48.70	<b>User km:</b>	49.00	<b>Crossing Name:</b>	Un-named	<b>Next Inspection Date:</b>	2026/09/05
<b>Project File ID #:</b>	7655	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Elliptical			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	1,500			<b>Outlet Cover (mm):</b>	1,500		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	37.0	<b>Opening Height (mm):</b>	1,869	<b>Opening Width (mm):</b>	2,590		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	411423	<b>UTM Northing:</b>	5947289		
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2007		
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Excellent	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Good	
<b>Coupled Connections</b>	Not Applicable	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Fair	Nice larger cobbles but little gravels or fines
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 359 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-061	<b>Structure Name:</b>	G4-061	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2023/09/05
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	0.9		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. Embedment materials have good cobbles and coarser materials but not a lot of gravel / fines. Consult with biologist potentially to assess quality of embedment materials in regards to habitat. Potentially not an issue.
	<b>PEng's Comment:</b>	Good.BH

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. Embedment materials have good cobbles and coarser materials but not a lot of gravel / fines. Consult with biologist potentially to assess quality of embedment materials in regards to habitat. Potentially not an issue.
	<b>PEng's Comment:</b>	Good.BH

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 360 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-061	<b>Structure Name:</b>	G4-061	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2023/09/05
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2055	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/11/06 13:28:02		

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 361 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-067	<b>Structure Name:</b>	G4-067	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2023/09/06
<b>KM:</b>	60.10	<b>User km:</b>	61.00	<b>Crossing Name:</b>	Un-named	<b>Next Inspection Date:</b>	2026/09/06
<b>Project File ID #:</b>	7655	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Open Bottom		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	3,000		<b>Outlet Cover (mm):</b>				
<b>Footing Type:</b>	Piles		<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	30.0	<b>Opening Height (mm):</b>	3,000	<b>Opening Width (mm):</b>	5,000		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	406898	<b>UTM Northing:</b>	5938177		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	2006			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Excellent	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Good	
<b>Coupled Connections</b>	Not Applicable	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Not Applicable	
<b>Footing</b>	Good	
<b>Head Wall</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 362 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-067	<b>Structure Name:</b>	G4-067	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2023/09/06
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Good						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	4.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in very good shape overall. Minor deformation of culvert noted and looks to be consistent with photos taken during previous inspection.
	<b>PEng's Comment:</b>	Good. BH

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in very good shape overall. Minor deformation of culvert noted and looks to be consistent with photos taken during previous inspection.
	<b>PEng's Comment:</b>	Good. BH

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 363 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-067	<b>Structure Name:</b>	G4-067	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2023/09/06
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2056	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/11/06 13:37:23		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 364 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-050	Structure Name:	G4-050	Road Name:	KLUSKUS	Inspection Date:	2005/05/26
KM:	61.20	User km:	61.20	Crossing Name:	Roy Creek	Next Inspection Date:	2008/05/26
Project File ID #:	7655	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:				Culvert Material:			
Inlet Cover (mm):	3	Outlet Cover (mm):	3				
Footing Type:				Gradient (%):			
Culvert Length (metres):	27.0	Opening Height (mm):	3	Opening Width (mm):	3		
UTM Zone:	10	UTM Easting:	406843	UTM Northing:	5938277		
Inspector Name:	Vince Sewell		Year Superstructure Installed:	1987			
Access:							

### APPROACHES

Bridge Ahead Signs Missing	2	No Comment Available -Converter.RNI
Delineator Missing Left (approaching structure)	2	No Comment Available -Converter.RNI
Delineator Missing Right (approaching structure)	2	No Comment Available -Converter.RNI
Posted Load Rating (Enter 0 if sign missing)	0.0	No Comment Available -Converter.RNI
Road Surface	Good	No Comment Available -Converter.RNI

### CULVERT ELEMENT

Coupled Connections	Good	No Comment Available -Converter.RNI
Coating	Good	No Comment Available -Converter.RNI
Fill	Good	No Comment Available -Converter.RNI
Floor	Good	No Comment Available -Converter.RNI
Inlet	Good	No Comment Available -Converter.RNI
Outlet	Good	No Comment Available -Converter.RNI
Riprap	Good	No Comment Available -Converter.RNI
Roof	Good	No Comment Available -Converter.RNI
Side Walls	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 365 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-050	<b>Structure Name:</b>	G4-050	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2005/05/26				
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>							
	<b>Estimated High Water Level Clearance:</b>			1.5							
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No	
	<b>Comment:</b>										
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>						
<b>MONITORS</b>	<b>#</b>	<b>Description</b>									
	1	Monitor beaver dams up and down stream. (OK chinch99) (OK chinch02) OK U/S - May/05 Mntce 200B - Not required - Crossing to be removed 2005 - May/05									
<b>GENERAL</b>	<b>Inspector's Comment:</b>										
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments									
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			<b>Estimated Replacement (year):</b>							
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>			91	<b>Design Vehicle Config.:</b>				
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By Raymond Getzlaf on 2012/04/13 00:00:00							

### Corporate Bridge Register (CBR)

Disclaimer:  
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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 366 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-051	<b>Structure Name:</b>	G4-051	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2023/09/04
<b>KM:</b>	77.00	<b>User km:</b>	77.00	<b>Crossing Name:</b>	Big Bend Creek	<b>Next Inspection Date:</b>	2026/09/04
<b>Project File ID #:</b>	7655	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Open Bottom		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	2,000		<b>Outlet Cover (mm):</b>	2,000			
<b>Footing Type:</b>	Piles		<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	14.6	<b>Opening Height (mm):</b>	2,530	<b>Opening Width (mm):</b>	7,446		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	394950	<b>UTM Northing:</b>	5932573		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	1997			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Excellent	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Good	
<b>Coupled Connections</b>	Not Applicable	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Good	
<b>Fill</b>	Good	
<b>Floor</b>	Not Applicable	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 367 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-051	<b>Structure Name:</b>	G4-051	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2023/09/04
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	1.0	<b>Estimated Present Water Level Width:</b>	4.0
	<b>Estimated High Water Level Clearance:</b>	0.8		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	water levels affected by beaver activity								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	2	Required	Medium	\$	Remove beaver dam from inside culvert

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in very good shape overall. There is a large beaver dam currently constructed inside the culvert and has 2/3 of the end area blocked. Beaver Dam should be removed. Appears as though this structure is a closed bottom structure with embedment materials.
	<b>PEng's Comment:</b>	Remove beaver dam inside culvert. BH

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in very good shape overall. There is a large beaver dam currently constructed inside the culvert and has 2/3 of the end area blocked. Beaver Dam should be removed. Appears as though this structure is a closed bottom structure with embedment materials.
	<b>PEng's Comment:</b>	Remove beaver dam inside culvert. BH

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 368 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-051	<b>Structure Name:</b>	G4-051	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2023/09/04	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2047	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/11/06 13:41:46			

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 369 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-057	<b>Structure Name:</b>	G4-057	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2016/07/12
<b>KM:</b>	83.00	<b>User km:</b>	83.00	<b>Crossing Name:</b>	unknown	<b>Next Inspection Date:</b>	2019/07/12
<b>Project File ID #:</b>	7655	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Elliptical		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,000		<b>Outlet Cover (mm):</b>	1,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>	1.0			
<b>Culvert Length (metres):</b>	26.0	<b>Opening Height (mm):</b>	1,400	<b>Opening Width (mm):</b>	2,130		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	397599	<b>UTM Northing:</b>	5928242		
<b>Inspector Name:</b>	Donovan J. A. Melin		<b>Year Superstructure Installed:</b>	2007			
<b>Access:</b>	Minor culvert						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> (approaching structure)	0	
<b>Delineator Missing Right</b> (approaching structure)	0	
<b>Fender Condition</b>	None	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Excellent	beautiful with the spaced rocks and gravel.
<b>Fill</b>	Good	
<b>Floor</b>	Unrated	under gravel
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	
<b>Inlet</b>	Good	
<b>Outlet</b>	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 370 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-057	<b>Structure Name:</b>	G4-057	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2016/07/12
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<b>Overall</b>	Good
<b>Riprap</b>	Not Applicable
<b>Roof</b>	Good
<b>Side Walls</b>	Good
<b>Trash Rack</b>	Not Applicable
<b>Wiers/Backwater Structures</b>	Not Applicable
<b>Wing Wall</b>	Not Applicable

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.0	<b>Estimated Present Water Level Width:</b>	0.0
	<b>Estimated High Water Level Clearance:</b>	0.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	No water has touched this culvert.								

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	This culvert is not here for a watercourse. It looks like it was built for animal migration. Culvert is in excellent condition. Wrong photos uploaded in 2013. MD
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<b>GENERAL</b>	<b>PEng's Comment:</b>	
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2045	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jason Olmsted on 2016/12/19 09:30:09		

### Corporate Bridge Register (CBR)

Disclaimer:  
 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.  
 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 371 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-052	Structure Name:	G4-052-2	Road Name:	KLUSKUS	Inspection Date:	2023/09/04
KM:	83.70	User km:	84.10	Crossing Name:	Big Bend Creek	Next Inspection Date:	2026/09/04
Project File ID #:	7655	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	500			Outlet Cover (mm):	500		
Footing Type:				Gradient (%):			
Culvert Length (metres):	24.0	Opening Height (mm):	1,800	Opening Width (mm):	1,800		
UTM Zone:	10	UTM Easting:	398740	UTM Northing:	5927463		
Inspector Name:	John Brett			Year Superstructure Installed:	1979		
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Good	rivets
Coupled Connections	Good	
Coating	Fair	rust
Embedment Materials	Fair	
Fill	Good	
Floor	Fair	
Footing	Not Applicable	
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 372 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-052	<b>Structure Name:</b>	G4-052-2	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2023/09/04
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.5	<b>Estimated Present Water Level Width:</b>	13.0
	<b>Estimated High Water Level Clearance:</b>	0.3		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	Beaver dams in each of the 3 culverts								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	1	Required	Medium	\$	Remove beaver dams from all 3 culverts

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Inspection is for the right bank culvert. Each culvert has a beaver dam in it that should be removed. this culvert has some roof dents but is overall in good shape.
	<b>PEng's Comment:</b>	Culvert 2 of 3. Remove debris from inside culvert. BH

<b>GENERAL</b>	<b>Inspector's Comment:</b>	
	<b>PEng's Comment:</b>	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 373 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-052	<b>Structure Name:</b>	G4-052-2	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2023/09/04
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/11/06 13:50:56		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 374 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-052	Structure Name:	G4-052	Road Name:	KLUSKUS	Inspection Date:	2023/09/04
KM:	83.70	User km:	84.10	Crossing Name:	Big Bend Creek	Next Inspection Date:	2026/09/04
Project File ID #:	7655	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round		Culvert Material:	Corrugated Steel			
Inlet Cover (mm):	500		Outlet Cover (mm):	500			
Footing Type:			Gradient (%):				
Culvert Length (metres):	24.0	Opening Height (mm):	1,800	Opening Width (mm):	1,800		
UTM Zone:	10	UTM Easting:	398740	UTM Northing:	5927463		
Inspector Name:	John Brett		Year Superstructure Installed:	1979			
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Good	rivets
Coupled Connections	Good	
Coating	Fair	rust
Embedment Materials	Not Applicable	
Fill	Good	
Floor	Good	
Footing	Not Applicable	
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 375 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-052	<b>Structure Name:</b>	G4-052	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2023/09/04
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.5	<b>Estimated Present Water Level Width:</b>	13.0
	<b>Estimated High Water Level Clearance:</b>	0.3		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	beaver dams in all 3 culverts								

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	1	Required	Medium	\$	remove beaver dams from all 3 culverts

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Inspection is for left bank culvert. All 3 culverts have beaver dams that should be removed.
	<b>PEng's Comment:</b>	Culvert 1 of 3. Remove debris and beaver dam from in culvert. BH

<b>GENERAL</b>	<b>PEng's Comment:</b>	Culvert 1 of 3. Remove debris and beaver dam from in culvert. BH
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### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 376 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-052	<b>Structure Name:</b>	G4-052	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2023/09/04
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>		2030	
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/11/06 13:47:51		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 377 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-052	Structure Name:	G4-052-3	Road Name:	KLUSKUS	Inspection Date:	2023/09/04
KM:	83.70	User km:	84.10	Crossing Name:	Big Bend Creek	Next Inspection Date:	2026/09/04
Project File ID #:	7655	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	500			Outlet Cover (mm):	500		
Footing Type:				Gradient (%):			
Culvert Length (metres):	24.0	Opening Height (mm):	1,800	Opening Width (mm):	1,800		
UTM Zone:	10	UTM Easting:	398740	UTM Northing:	5927463		
Inspector Name:	John Brett			Year Superstructure Installed:	1979		
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Good	rivets
Coupled Connections	Good	
Coating	Fair	rust
Embedment Materials	Not Applicable	
Fill	Good	
Floor	Fair	
Footing	Not Applicable	
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 378 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-052	<b>Structure Name:</b>	G4-052-3	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2023/09/04
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.5	<b>Estimated Present Water Level Width:</b>	13.0
	<b>Estimated High Water Level Clearance:</b>	0.3		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	1	Required	Medium	\$	remove beaver dams from all 3 culverts

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Inspection is for the middle culvert. Culvert has a beaver dam mid culvert that requires removal.
	<b>PEng's Comment:</b>	Culvert 3 of 3. Remove debris from inside culvert. BH

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 379 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-052	<b>Structure Name:</b>	G4-052-3	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2023/09/04	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/11/06 13:53:24			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 380 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-110	<b>Structure Name:</b>	G4-110A	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2022/09/01
<b>KM:</b>	118.00	<b>User km:</b>	117.20	<b>Crossing Name:</b>	Chedakuz Creek	<b>Next Inspection Date:</b>	2025/09/01
<b>Project File ID #:</b>	7655	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Concrete		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials	
<b>Total Length (metres):</b>	21.3	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	21.3
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	383940		<b>UTM Northing:</b>	5909411
<b>Inspector Name:</b>	Warren Wilkinson			<b>Year Superstructure Installed:</b>	2008		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	Right center bearing not sitting flat on pad
<b>Bracing</b>	Good	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	Sills
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	Piles
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Good	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 381 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-110	Structure Name:	G4-110A	Road Name:	KLUSKUS	Inspection Date:	2022/09/01
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	New
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Excellent	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Good	

CHANNEL	Estimated Present Water Level Depth:	0.5	Estimated Present Water Level Width:	6.0
	Estimated High Water Level Clearance:	2.0		

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

REPAIRS	#	Status	Priority	Estimate	Description

MONITORS	#	Description
	2	Right side center bearing not sitting flat on rubber pad

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 382 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-110	<b>Structure Name:</b>	G4-110A	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2022/09/01
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2050	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/22 11:10:54			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 383 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-114	<b>Structure Name:</b>	G4-114	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2022/09/01
<b>KM:</b>	119.00	<b>User km:</b>	119.00	<b>Crossing Name:</b>	Unnamed Creek	<b>Next Inspection Date:</b>	2025/09/01
<b>Project File ID #:</b>	7655	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Open Bottom		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	700		<b>Outlet Cover (mm):</b>	900			
<b>Footing Type:</b>	Precast Concrete Footing		<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	14.0	<b>Opening Height (mm):</b>	1,360	<b>Opening Width (mm):</b>	3,350		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	382946	<b>UTM Northing:</b>	5908529		
<b>Inspector Name:</b>	Warren Wilkinson		<b>Year Superstructure Installed:</b>	2005			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	2	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	2	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Fair	rusty
<b>Coupled Connections</b>	Not Applicable	
<b>Coating</b>	Poor	rusty
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Not Applicable	
<b>Footing</b>	Good	
<b>Head Wall</b>	Fair	Broken weld downstream

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 384 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-114	<b>Structure Name:</b>	G4-114	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2022/09/01
<b>Inlet</b>	Fair						
<b>Outlet</b>	Fair						
<b>Overall</b>	Fair						
<b>Riprap</b>	Not Applicable						
<b>Roof</b>	Fair	rusty					
<b>Side Walls</b>	Fair	rusty					
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	2	Required	Medium		Weld breaks in headwall.

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	

<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 385 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-114	<b>Structure Name:</b>	G4-114	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2022/09/01
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2050	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		64	<b>Design Load GVW (tonnes):</b>		64	<b>Design Vehicle Config.:</b> BCL62
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/11/22 15:29:21		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 386 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-111	<b>Structure Name:</b>	G4-111	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2022/09/01	
<b>KM:</b>	141.40	<b>User km:</b>	140.50	<b>Crossing Name:</b>	Fawnie Creek #1	<b>Next Inspection Date:</b>	2025/09/01	
<b>Project File ID #:</b>	7655	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Binwall		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Binwall		
<b>Total Length (metres):</b>	22.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	22
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	363856		<b>UTM Northing:</b>	5899306	
<b>Inspector Name:</b>	Warren Wilkinson		<b>Year Superstructure Installed:</b>	1996				
<b>Access:</b>	ROAD TENURE IS REQUIRES UPDATING							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Binwall</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Unrated	cannot see
<b>Riprap</b>	Fair	need more on left abbutment
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Fair	missing 2 nose cones
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 387 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-111	Structure Name:	G4-111	Road Name:	KLUSKUS	Inspection Date:	2022/09/01
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Road Surface	Good	
<b>DECK</b>		
<b>Span 1</b>		
Curb Rail/Blocks/Posts	Good	low
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	first couple ties from left side have spacers for deck and curb

<b>SUPERSTRUCTURE</b>		
<b>Span 1</b>		
Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Good	

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	4.0
	Estimated High Water Level Clearance:	1.0		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 388 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-111	<b>Structure Name:</b>	G4-111	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2022/09/01	
<b>MONITORS</b>	#	Description						
<b>GENERAL</b>	<b>Inspector's Comment:</b>							
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH						
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2036	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>		No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/11/22 11:21:16		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 389 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-112	<b>Structure Name:</b>	G4-112	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2022/09/01
<b>KM:</b>	143.00	<b>User km:</b>	142.00	<b>Crossing Name:</b>	Fawnie Creek #2	<b>Next Inspection Date:</b>	2025/07/06
<b>Project File ID #:</b>	7655	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials	
<b>Superstructure:</b>	Glulam Girder				<b>Right</b>	Pile -Permanent Materials	
<b>Total Length (metres):</b>	13.0	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	13
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	362656		<b>UTM Northing:</b>	5898147
<b>Inspector Name:</b>	Warren Wilkinson		<b>Year Superstructure Installed:</b>	1978			
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Good	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Not Applicable	
<b>Wing Wall</b>	Good	note crack left upstream vertical board at junction of wing wall and ballast wall

### APPROACHES

<b>Alignment</b>	Fair	corner on right side
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Fair	no nose cones, no post not connected together
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 390 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-112	Structure Name:	G4-112	Road Name:	KLUSKUS	Inspection Date:	2022/09/01
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	some mud guard boards missing
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	some lifted on running boards
Overall Deck Condition	Good	
Running Planks	Fair	several center boards heaved in middle
Sub Deck	Good	may need to be replaced next running deck replacement
Ties	Good	some have splits

### SUPERSTRUCTURE

#### Span 1

Bracing	Excellent	
Diaphragms	Good	
Girders	Good	glue laminated beams, no cracks noted
Hardware	Good	
Under Trussing	Not Applicable	

### CHANNEL

Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	4.0
Estimated High Water Level Clearance:	0.5		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description

### MONITORS

#	Description
4	Left Upstream wing wall vertical board crack, look for movement or more damage

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 391 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-112	<b>Structure Name:</b>	G4-112	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2022/09/01
<b>GENERAL</b>	<b>Inspector's Comment:</b>	monitor #1: monitor posts for movement; none noted 2022/09/01					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Schedule close proximity next inspection to examine areas not accessible. Deck starting to wear. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2025		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/22 12:51:34			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 392 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-062	Structure Name:	G4-062	Road Name:	KLUSKUS	Inspection Date:	2021/09/09
KM:	148.50	User km:	148.50	Crossing Name:	Unknown	Next Inspection Date:	2024/09/09
Project File ID #:	7655	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete Composite			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Steel Pipe and Precast Pad	
Superstructure:	Steel I-beam				Right	Steel Pipe and Precast Pad	
Total Length (metres):	18.3	# Spans:	1	Span Width:			Span Length(s) (metres): 18.3
UTM Zone:	10		UTM Easting:	362147		UTM Northing:	5892933
Inspector Name:	Vince Sewell			Year Superstructure Installed:	2006		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Good	
Ballast Wall	Good	
Corrosion Protection	Good	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	91	Old type sign
Road Surface	Good	

### Corporate Bridge Register (CBR)

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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 393 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-062	Structure Name:	G4-062	Road Name:	KLUSKUS	Inspection Date:	2021/09/09
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.3	Estimated Present Water Level Width:	3.0
	Estimated High Water Level Clearance:	1.5		

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

REPAIRS	#	Status	Priority	Estimate	Description

MONITORS	#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 394 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-062	<b>Structure Name:</b>	G4-062	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2021/09/09
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2050	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/01/19 13:46:46			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 395 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-064	Structure Name:	G4-064	Road Name:	KLUSKUS	Inspection Date:	2021/09/08
KM:	150.20	User km:	151.60	Crossing Name:	Unknown	Next Inspection Date:	2024/09/08
Project File ID #:	7655	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Steel Pipe and Precast Pad	
Superstructure:	Concrete Slab Girders				Right	Steel Pipe and Precast Pad	
Total Length (metres):	10.0	# Spans:	1	Span Width:			Span Length(s) (metres): 10
UTM Zone:	10		UTM Easting:	361361		UTM Northing:	5890287
Inspector Name:	Vince Sewell			Year Superstructure Installed:	2006		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Not Applicable	
Piles or Posts	Not Applicable	Not visible
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	91	
Road Surface	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 396 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-064	Structure Name:	G4-064	Road Name:	KLUSKUS	Inspection Date:	2021/09/08
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Fair	1 broken riser US side broken curb
Deck Joints	Good	
Grout Pockets	Not Applicable	
Grout Pockets	Not Applicable	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Not Applicable	
Hardware	Not Applicable	
Welded/grouted shear connectors	Unrated	Can't see

### CHANNEL

Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	1.0
Estimated High Water Level Clearance:	1.0		

### HAZARDS

High Water:	No	Scour:	No	Ice:	Yes	Debris:	No	Aggradation:	No
Comment:	Ice builds up under bridge in some winters, no damage								

### REPAIRS

#	Status	Priority	Estimate	Description
3	Required	High	\$ 0.00	Replace damaged riser, curb and mudboards.

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 397 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-064	<b>Structure Name:</b>	G4-064	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2021/09/08
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Good condition except curbs will require repairs soon if hit again, still solid					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Repairs required for damaged riser, curbs and replace mud boards. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2056		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/01/19 14:19:52			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 398 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-113	<b>Structure Name:</b>	G4-113	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2021/09/23	
<b>KM:</b>	156.70	<b>User km:</b>	156.80	<b>Crossing Name:</b>	Rozek Creek	<b>Next Inspection Date:</b>	2024/09/23	
<b>Project File ID #:</b>	7655	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials		
<b>Superstructure:</b>	Glulam Girder				<b>Right</b>	Pile -Permanent Materials		
<b>Total Length (metres):</b>	13.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	13
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	358283		<b>UTM Northing:</b>	5886472	
<b>Inspector Name:</b>	Kody Pepper			<b>Year Superstructure Installed:</b>	1977			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	Galvanized steel angle clips. The visible portions of the clips were in good condition. Other portions covered in debris.
<b>Bracing</b>	Not Applicable	N/A
<b>Ballast Wall</b>	Fair	Some scour/erosion noted at the bottom of the left abutment wall
<b>Corrosion Protection</b>	Not Applicable	Creosote leaching
<b>Caps or Sills</b>	Good	Good during sounding. Debris on the cap beams, recommend removing the debris
<b>Fill</b>	Fair	No issues noted
<b>Hardware</b>	Not Applicable	N/A
<b>Piles or Posts</b>	Fair	Drilled one pile per abutment, both showed dry and no rot.
<b>Riprap</b>	Not Applicable	No rip rap present. Only high fines under the bridge with natural vegetation beside the bridge
<b>Wing Wall</b>	Fair	Some scour/erosion on all wing walls. Monitor wing wall piles for movement

### APPROACHES

<b>Alignment</b>	Good	Slight raise in grade near the bridge, but adequate
<b>Bridge Ahead Signs Missing</b>	1	Right approach sign is knocked over
<b>Brushing Required</b>	No	No issues noted
<b>Delineator Missing Left (approaching structure)</b>	1	Missing upstream delineator
<b>Delineator Missing Right (approaching structure)</b>	0	Both still in place
<b>Fender Condition</b>	Fair	Right downstream corner is hanging off the ballast wall. Barriers need alignment and connection, general wear noted on barriers

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 399 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-113	<b>Structure Name:</b>	G4-113	<b>Road Name:</b>	KLUSKUS	<b>Inspection Date:</b>	2021/09/23
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<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	No load rating signs
<b>Road Surface</b>	Fair	Slight erosion on the right approach. Noticeable hole at center of roadway

### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Fair	Good during sounding. Downstream curb is leaning but was still connected to the deck and functional. Some washers missing and loose nuts noted
<b>Deck to Girder Bolts</b>	Good	Some washers missing and loose nuts noted
<b>Hardware</b>	Not Applicable	N/A
<b>Hand Rails/Walkouts</b>	Not Applicable	N/A
<b>Nails</b>	Good	No issues noted
<b>Overall Deck Condition</b>	Poor	Replace 30% of the wearing surface planks. Monitor remaining wearing surface for deterioration and the downstream curb for movement
<b>Running Planks</b>	Poor	30% of the wearing planks were in poor condition, remaining planks were in fair condition
<b>Sub Deck</b>	Fair	Subdeck noted to be soft during sounding. Drill sample near right abutment and left abutments were dry with no rot or moisture noted.
<b>Ties</b>	Fair	Drill near midspan was very hard, no rot or moisture. Drill near left abutment similar to mid span. Remaining ties were good during sounding.

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Not Applicable	N/A
<b>Diaphragms</b>	Good	No issues noted
<b>Girders</b>	Good	General checking noted with width 2mm or less and depth 30mm or less
<b>Hardware</b>	Good	No issues noted
<b>Under Trussing</b>	Not Applicable	N/A

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>		<b>Estimated Present Water Level Width:</b>	
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	Present water clearance is 1.84m. High fines under the bridge with no rip rap								

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 400 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-113	Structure Name:	G4-113	Road Name:	KLUSKUS	Inspection Date:	2021/09/23
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REPAIRS	#	Status	Priority	Estimate	Description
	6	Required	High	\$ 0.00	Replace 30% of the wearing surface
	7	Required	Medium	\$ 0.00	Re-align and connect the approach barriers
	8	Required	Low	\$ 0.00	Fix right approach bridge ahead sign
	9	Required	Low	\$ 0.00	Install left upstream delineator and re-align the others

MONITORS	#	Description
	4	Monitor wear surface and subdeck for deterioration
	6	Monitor approaches for erosion

GENERAL	Inspector's Comment:	Description
		The bridge is generally in adequate condition, but some of the wearing surface planks were worn and soft during sounding. Approximately 30% of the wearing planks are required to be replaced. The approach barriers on all four corners were noted to be disconnected and the right approach downstream barrier was hanging off the ballast wall. The right downstream barrier should be realigned and all barriers should be re-connected. The approaches should be monitored for further erosion. The downstream curb was noted to be leaning outwards and should be monitored for future movement. The fourth bearing pile on the left abutment was wrapped with some tape material and partially coated with a mortar based material. This was later determined to be a repair that was approved by Scouten Engineering in 2019. For further details, see the 2021 Close Proximity Inspection Report.  Concern with curbs and end fill. DA.

GENERAL	PEng's Comment:	Description
		Bridge seems in fair condition overall. LH Replacement date extended till 2024. See Allnorth Sept 23 2021 CP inspection report in documents and photos for details. BH

GENERAL	Estimated Load Restriction (year):		2024	Estimated Replacement (year):		
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/01/21 13:42:27		

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 401 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-065	<b>Structure Name:</b>	G4-065-3	<b>Road Name:</b>	CORKSCREW	<b>Inspection Date:</b>	2022/10/20
<b>KM:</b>	9.50	<b>User km:</b>	10.20	<b>Crossing Name:</b>	Corkscrew Creek	<b>Next Inspection Date:</b>	2025/10/20
<b>Project File ID #:</b>	7655	<b>Br.</b>	03	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	300		<b>Outlet Cover (mm):</b>	300			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	16.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	423730	<b>UTM Northing:</b>	5966028		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>				
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 402 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-065	<b>Structure Name:</b>	G4-065-3	<b>Road Name:</b>	CORKSCREW	<b>Inspection Date:</b>	2022/10/20
<b>Inlet</b>	Good	debris partially blocking inlet roughly 45%					
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	3.0
	<b>Estimated High Water Level Clearance:</b>	0.6		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	Yes	<b>Aggradation:</b>	No
	<b>Comment:</b>	Debris built up at inlet								

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	2	Required	High	\$	Remove debris from inlet

<b>MONITORS</b>	#	Description
	1	Monitor debris buildup. Currently blocked approximately 45%

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert overall is in good shape. Debris buildup is affecting culvert capacity and should be removed. Gravel bar currently not affecting culvert capacity.
	<b>PEng's Comment:</b>	Pipe to left when looking downstream. Remove debris from inlet. BH

<b>GENERAL</b>	<b>PEng's Comment:</b>	Pipe to left when looking downstream. Remove debris from inlet. BH
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 403 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-065	<b>Structure Name:</b>	G4-065-3	<b>Road Name:</b>	CORKSCREW	<b>Inspection Date:</b>	2022/10/20
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b> L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/12/08 12:41:53		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 404 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-065	Structure Name:	G4-065	Road Name:	CORKSCREW	Inspection Date:	2022/10/20
KM:	9.50	User km:	10.20	Crossing Name:	Corkscrew Creek	Next Inspection Date:	2025/10/20
Project File ID #:	7655	Br.	03	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	300			Outlet Cover (mm):	300		
Footing Type:				Gradient (%):			
Culvert Length (metres):	16.0	Opening Height (mm):	1,800	Opening Width (mm):	1,800		
UTM Zone:	10	UTM Easting:	423730	UTM Northing:	5966028		
Inspector Name:	John Brett			Year Superstructure Installed:	1983		
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Not Applicable	
Coupled Connections	Good	
Coating	Good	
Embedment Materials	Not Applicable	
Fill	Good	
Floor	Unrated	substrate in culvert
Footing	Not Applicable	
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 405 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-065	<b>Structure Name:</b>	G4-065	<b>Road Name:</b>	CORKSCREW	<b>Inspection Date:</b>	2022/10/20
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	3.0
	<b>Estimated High Water Level Clearance:</b>	0.6		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	2	Required	Medium	\$	Remove debris from inlet of all 3 culverts

<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	1	Monitor woody debris buildup at inlet. currently a minor amount, other 2 culverts with substantially more.

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. No substantial issues noted.
	<b>PEng's Comment:</b>	No concerns. BH

<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH
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### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 406 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-065	<b>Structure Name:</b>	G4-065	<b>Road Name:</b>	CORKSCREW	<b>Inspection Date:</b>	2022/10/20
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/12/08 12:40:48		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 407 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-065	<b>Structure Name:</b>	G4-065-2	<b>Road Name:</b>	CORKSCREW	<b>Inspection Date:</b>	2022/10/20
<b>KM:</b>	9.50	<b>User km:</b>	10.20	<b>Crossing Name:</b>	Corkscrew Creek	<b>Next Inspection Date:</b>	2025/10/20
<b>Project File ID #:</b>	7655	<b>Br.</b>	03	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	300		<b>Outlet Cover (mm):</b>	300			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	16.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	423730	<b>UTM Northing:</b>	5966028		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	1983			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 408 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-065	<b>Structure Name:</b>	G4-065-2	<b>Road Name:</b>	CORKSCREW	<b>Inspection Date:</b>	2022/10/20
<b>Inlet</b>	Good	some debris hung up at inlet					
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	3.0
	<b>Estimated High Water Level Clearance:</b>	0.6		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	2	Required	Medium	\$	Remove debris from inlet

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. Debris should be removed from inlet of all 3 culverts. gravel bar currently not affecting culvert capacities
	<b>PEng's Comment:</b>	Middle pipe. No concerns. BH

<b>GENERAL</b>	<b>Inspector's Comment:</b>	
	<b>PEng's Comment:</b>	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 409 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-065	<b>Structure Name:</b>	G4-065-2	<b>Road Name:</b>	CORKSCREW	<b>Inspection Date:</b>	2022/10/20
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b> L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/12/08 12:41:22		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 410 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-070	<b>Structure Name:</b>	G4-070	<b>Road Name:</b>	KLUSKUS GOLD	<b>Inspection Date:</b>	2023/09/06
<b>KM:</b>	3.00	<b>User km:</b>	2.50	<b>Crossing Name:</b>	Roy Creek	<b>Next Inspection Date:</b>	2026/09/06
<b>Project File ID #:</b>	7655	<b>Br.</b>	04	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,200		<b>Outlet Cover (mm):</b>	1,200			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	21.0	<b>Opening Height (mm):</b>	3,000	<b>Opening Width (mm):</b>	3,000		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	409378	<b>UTM Northing:</b>	5937340		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	1993			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Excellent	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Fair	floor rusted with pinholes
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Poor	rust and holes along culvert floor
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 411 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-070	<b>Structure Name:</b>	G4-070	<b>Road Name:</b>	KLUSKUS GOLD	<b>Inspection Date:</b>	2023/09/06
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Fair						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.0	<b>Estimated Present Water Level Width:</b>	0.0
	<b>Estimated High Water Level Clearance:</b>	2.6		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	Creek dry upstream, pool of water at outlet.								

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	2	Required	Medium		Potentially repair culvert floor or replace.

<b>MONITORS</b>	#	Description
	1	Condition of culvert floor. Currently small holes forming throughout culvert, see photos
	2	Monitor for piping as a result of holes in culvert bottom.

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in fair shape overall. There are pinholes forming in the rusted portion of the culvert floor.
	<b>PEng's Comment:</b>	Culvert floor is rusting out. Monitor for piping or erosion under or around culvert. BH

<b>GENERAL</b>	<b>PEng's Comment:</b>	Culvert floor is rusting out. Monitor for piping or erosion under or around culvert. BH
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 412 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-070	<b>Structure Name:</b>	G4-070	<b>Road Name:</b>	KLUSKUS GOLD	<b>Inspection Date:</b>	2023/09/06	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2033	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/01 11:09:47				

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 413 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-071	<b>Structure Name:</b>	G4-071	<b>Road Name:</b>	KLUSKUS GOLD	<b>Inspection Date:</b>	2023/09/06
<b>KM:</b>	3.50	<b>User km:</b>	3.50	<b>Crossing Name:</b>	Finger Creek	<b>Next Inspection Date:</b>	2026/09/06
<b>Project File ID #:</b>	7655	<b>Br.</b>	04	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	1,100			<b>Outlet Cover (mm):</b>	1,100		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	21.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	408572	<b>UTM Northing:</b>	5936852		
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1983		
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Fair	rust on floor with small holes
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Fair	rusted with some small holes
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 414 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-071	<b>Structure Name:</b>	G4-071	<b>Road Name:</b>	KLUSKUS GOLD	<b>Inspection Date:</b>	2023/09/06
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Fair						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.0	<b>Estimated Present Water Level Width:</b>	0.0
	<b>Estimated High Water Level Clearance:</b>	1.1		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	2	Required	Medium	\$	Remove beaver dam and debris from inside culvert

<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	1	Monitor culvert floor, see photo, rust and small holes.

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Inspection is for right bank culvert. There is a beaver dam blockage in the upper portion of the culvert and should be removed. Floor is rusted with small holes forming -monitor item added for this.
	<b>PEng's Comment:</b>	Remove debris from culvert. BH

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Inspection is for right bank culvert. There is a beaver dam blockage in the upper portion of the culvert and should be removed. Floor is rusted with small holes forming -monitor item added for this.
	<b>PEng's Comment:</b>	Remove debris from culvert. BH

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 415 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-071	<b>Structure Name:</b>	G4-071	<b>Road Name:</b>	KLUSKUS GOLD	<b>Inspection Date:</b>	2023/09/06
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/11/02 08:30:13		

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 416 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-071	<b>Structure Name:</b>	G4-071-2	<b>Road Name:</b>	KLUSKUS GOLD	<b>Inspection Date:</b>	2023/09/06
<b>KM:</b>	3.50	<b>User km:</b>	3.50	<b>Crossing Name:</b>	Finger Creek	<b>Next Inspection Date:</b>	2026/09/06
<b>Project File ID #:</b>	7655	<b>Br.</b>	04	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	1,500			<b>Outlet Cover (mm):</b>	1,500		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	21.0	<b>Opening Height (mm):</b>	1,600	<b>Opening Width (mm):</b>	1,600		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	408572	<b>UTM Northing:</b>	5936852		
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1983		
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Fair	rusted floor
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Fair	rust and small holes forming
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 417 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-071	<b>Structure Name:</b>	G4-071-2	<b>Road Name:</b>	KLUSKUS GOLD	<b>Inspection Date:</b>	2023/09/06
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Fair						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.0	<b>Estimated Present Water Level Width:</b>	0.0
	<b>Estimated High Water Level Clearance:</b>	1.1		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	2	Required	Medium	\$	Remove partial beaver dam from inlet

<b>MONITORS</b>	#	Description
	1	Condition of culvert floor. rusted with small holes currently. see pics

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Inspection is for left bank culvert. Beaver activity at inlet of culvert could become an issue during higher water conditions. Floor is rusted with small holes forming.
	<b>PEng's Comment:</b>	Remove debris. BH

<b>GENERAL</b>	<b>PEng's Comment:</b>	Remove debris. BH
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 418 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-071	<b>Structure Name:</b>	G4-071-2	<b>Road Name:</b>	KLUSKUS GOLD	<b>Inspection Date:</b>	2023/09/06
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/11/02 08:37:28		

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 419 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-072	<b>Structure Name:</b>	G4-072	<b>Road Name:</b>	KLUSKUS GOLD	<b>Inspection Date:</b>	2023/09/06	
<b>KM:</b>	11.40	<b>User km:</b>	11.40	<b>Crossing Name:</b>	Tatuk Creek	<b>Next Inspection Date:</b>	2026/09/06	
<b>Project File ID #:</b>	7655	<b>Br.</b>	04	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Not Available			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Binwall		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Binwall		
<b>Total Length (metres):</b>	9.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	9
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	411599		<b>UTM Northing:</b>	5931051	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1995			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Binwall</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Good	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 420 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-072	<b>Structure Name:</b>	G4-072	<b>Road Name:</b>	KLUSKUS GOLD	<b>Inspection Date:</b>	2023/09/06
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<b>Road Surface</b>	Good	
<b>DECK</b>		
<b>Span 1</b>		
<b>Curb Rail/Blocks/Posts</b>	Good	
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Good	
<b>Running Planks</b>	Good	
<b>Sub Deck</b>	Good	
<b>Ties</b>	Good	

<b>SUPERSTRUCTURE</b>		
<b>Span 1</b>		
<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	2.4
	<b>Estimated High Water Level Clearance:</b>	1.8		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	11	Required	Low	\$	minor brushing of approaches

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 421 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-072	Structure Name:	G4-072	Road Name:	KLUSKUS GOLD	Inspection Date:	2023/09/06
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	Structure is in very good shape overall. some minor damage noted to the face of binwalls but will not affect the performance of the structure.				
<b>GENERAL</b>	PEng's Comment:	Good. BH				
<b>GENERAL</b>	Estimated Load Restriction (year):	2035	Estimated Replacement (year):			
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2023/11/02 08:42:57		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 422 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-073	Structure Name:	G4-924	Road Name:	KLUSKUS GOLD	Inspection Date:	2021/09/09
KM:	16.40	User km:	16.70	Crossing Name:	Unknown	Next Inspection Date:	2024/09/09
Project File ID #:	7655	Br.	04	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Steel			Running Surface:	Anti-skid		
Curb Type:				Abutments (looking downstream)	Left	Sill - Permanent Materials	
Superstructure:	Steel Box Beam				Right	Sill - Permanent Materials	
Total Length (metres):	7.6	# Spans:	1	Span Width:			Span Length(s) (metres): 0
UTM Zone:	10		UTM Easting:	410422		UTM Northing:	5926223
Inspector Name:	Gary Zsombor			Year Superstructure Installed:	2006		
Access:	Travel down the Kluskus FSR to 59 km and turn south onto the Gold Road. Travel to 16 km to reach the bridge						

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Poor	Treated timbers are undersized for soft ground
Fill	Fair	
Hardware	Not Applicable	
Piles or Posts	Not Applicable	
Riprap	Not Applicable	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	1	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Unrated	None
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Fair	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 423 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-073	Structure Name:	G4-924	Road Name:	KLUSKUS GOLD	Inspection Date:	2021/09/09
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Fair	
Hardware	Not Applicable	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Fair	
Running Surface	Poor	5cm of mud over deck
Steel Deck Plate	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Not Applicable	
Diaphragms	Unrated	Can not inspect. No clearance
Girders	Unrated	Can not inspect. No clearance
Hardware	Not Applicable	
Under Trussing	Not Applicable	

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	0.5
	Estimated High Water Level Clearance:	0.2		

HAZARDS	High Water:	Yes	Scour:	No	Ice:	No	Debris:	Yes	Aggradation:	No
	Comment:									

REPAIRS	#	Status	Priority	Estimate	Description
	2	Required	Medium	\$ 0.00	Brush obscuring bridge rails
3	Required	High	\$ 0.00	Replace sills with larger bearing surface or add mud sill	
4	Required	Medium	\$ 0.00	Add two delineators	
5	Required	High	\$ 0.00	Beaver Dam removal	

MONITORS	#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 424 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-073	<b>Structure Name:</b>	G4-924	<b>Road Name:</b>	KLUSKUS GOLD	<b>Inspection Date:</b>	2021/09/09
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge has settled 3cm below ballast boards on both sides consistently. Need an abutment with a much larger bearing surface. Bridge should be raised 500 mm minimum. Load restriction required.  Cannot take abutment pictures due to low clearance/high water.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Beaver activity and high water has submerged abutments and difficult to inspect. Poor sill bearing suspected. Bridge should be removed if not needed. Could be downrated at any time due to settlement of bridge. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2030		<b>Estimated Replacement (year):</b>	2030		
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/01 18:17:44			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 425 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-100	Structure Name:	G4-100	Road Name:	KLUSKUS 500	Inspection Date:	2021/08/30
KM:	36.20	User km:	536.20	Crossing Name:	Lucas Creek	Next Inspection Date:	2024/08/30
Project File ID #:	7655	Br.	05	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete Composite			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials	
Superstructure:	Steel I-beam				Right	Pile -Permanent Materials	
Total Length (metres):	30.0	# Spans:	1	Span Width:			Span Length(s) (metres): 30
UTM Zone:	10		UTM Easting:	362694		UTM Northing:	5936258
Inspector Name:	Warren Wilkinson			Year Superstructure Installed:	1999		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Fair	Left downstream Spalding at corner of girder
Corrosion Protection	Not Applicable	
Caps or Sills	Good	Sills
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	Can't see
Riprap	Good	None along stream and not required
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	1	
Delineator Missing Right (approaching structure)	2	
Fender Condition	Fair	One nose cone knocked off
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 426 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G4-100 Structure Name: G4-100 Road Name: KLUSKUS 500 Inspection Date: 2021/08/30

### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Fair	One bolt broken by grader
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Good	

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	4.0
	Estimated High Water Level Clearance:	2.0		

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

REPAIRS	#	Status	Priority	Estimate	Description
	5	Not Required	Medium	\$ 0.00	Add load limit signs
	6	Required	Medium		Replace missing delineators 2 right 1 left
	7	Required	High	\$ 0.00	Replace rotten curbs. Replace broken bolt in curb.

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 427 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-100	Structure Name:	G4-100	Road Name:	KLUSKUS 500	Inspection Date:	2021/08/30
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:					
	PEng's Comment:	Some sections of curbs need replacement. Downrating may occur if repairs are not done as soon as possible. BH				
<b>GENERAL</b>	Estimated Load Restriction (year):	2049	Estimated Replacement (year):			
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/02/02 12:55:54		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 428 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-053	<b>Structure Name:</b>	G4-053-2	<b>Road Name:</b>	KLUSKUS BLUE	<b>Inspection Date:</b>	2022/10/20
<b>KM:</b>	21.50	<b>User km:</b>	0.00	<b>Crossing Name:</b>	Suscha Creek	<b>Next Inspection Date:</b>	2025/10/20
<b>Project File ID #:</b>	7655	<b>Br.</b>	07	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	900			<b>Outlet Cover (mm):</b>	900		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	18.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	407485	<b>UTM Northing:</b>	5898122		
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1983		
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Good	
<b>Coupled Connections</b>	Not Applicable	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 429 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-053	<b>Structure Name:</b>	G4-053-2	<b>Road Name:</b>	KLUSKUS BLUE	<b>Inspection Date:</b>	2022/10/20
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	2.5
	<b>Estimated High Water Level Clearance:</b>	1.4		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall

<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 430 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-053	<b>Structure Name:</b>	G4-053-2	<b>Road Name:</b>	KLUSKUS BLUE	<b>Inspection Date:</b>	2022/10/20
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2023	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/08 12:34:28			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 431 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-053	<b>Structure Name:</b>	G4-053	<b>Road Name:</b>	KLUSKUS BLUE	<b>Inspection Date:</b>	2022/10/20
<b>KM:</b>	21.50	<b>User km:</b>	0.00	<b>Crossing Name:</b>	Suscha Creek	<b>Next Inspection Date:</b>	2025/10/20
<b>Project File ID #:</b>	7655	<b>Br.</b>	07	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	500			<b>Outlet Cover (mm):</b>	500		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	18.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	407485	<b>UTM Northing:</b>	5898122		
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1983		
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Good	
<b>Coupled Connections</b>	Not Applicable	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 432 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-053	<b>Structure Name:</b>	G4-053	<b>Road Name:</b>	KLUSKUS BLUE	<b>Inspection Date:</b>	2022/10/20
<b>Inlet</b>	Excellent						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Good						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	2.5
	<b>Estimated High Water Level Clearance:</b>	1.4		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. Outlet plunge is currently 40cm from culvert invert to bottom of plunge pool.

<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 433 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-053	<b>Structure Name:</b>	G4-053	<b>Road Name:</b>	KLUSKUS BLUE	<b>Inspection Date:</b>	2022/10/20
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2023	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b> L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/12/08 12:34:01		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 434 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-054	<b>Structure Name:</b>	G4-054-2	<b>Road Name:</b>	KLUSKUS BLUE	<b>Inspection Date:</b>	2023/09/06
<b>KM:</b>	49.50	<b>User km:</b>	51.00	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2026/09/06
<b>Project File ID #:</b>	7655	<b>Br.</b>	07	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,000		<b>Outlet Cover (mm):</b>	1,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	14.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	384128	<b>UTM Northing:</b>	5887208		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	1993			
<b>Access:</b>	Site is located at 49.5 km of the Blue Road. Mainly winter access. culvert #1 left when facing downstream						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 435 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-054	<b>Structure Name:</b>	G4-054-2	<b>Road Name:</b>	KLUSKUS BLUE	<b>Inspection Date:</b>	2023/09/06
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	2.3
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Inspection is for the left bank culvert. Culverts are in good shape overall. Left culvert has a 23 cm plunge from culvert to bottom of plunge pool.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Good. BH
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### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 436 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-054	<b>Structure Name:</b>	G4-054-2	<b>Road Name:</b>	KLUSKUS BLUE	<b>Inspection Date:</b>	2023/09/06	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2033	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/11/06 14:00:10			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 437 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-054	<b>Structure Name:</b>	G4-054	<b>Road Name:</b>	KLUSKUS BLUE	<b>Inspection Date:</b>	2023/09/06
<b>KM:</b>	49.50	<b>User km:</b>	51.00	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2026/09/06
<b>Project File ID #:</b>	7655	<b>Br.</b>	07	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,000		<b>Outlet Cover (mm):</b>	1,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	14.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	384128	<b>UTM Northing:</b>	5887208		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	1993			
<b>Access:</b>	Site is located at 49.5 km of the Blue Road. Mainly winter access. culvert #1 left when facing downstream						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Fair	rust
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 438 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-054	<b>Structure Name:</b>	G4-054	<b>Road Name:</b>	KLUSKUS BLUE	<b>Inspection Date:</b>	2023/09/06
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	2.3
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Inspection is for right bank culvert. culvert is in good shape overall

<b>GENERAL</b>	<b>PEng's Comment:</b>	Ok. BH
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### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 439 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-054	<b>Structure Name:</b>	G4-054	<b>Road Name:</b>	KLUSKUS BLUE	<b>Inspection Date:</b>	2023/09/06
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2033	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/11/06 13:58:36		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 440 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-090	<b>Structure Name:</b>	G4-090	<b>Road Name:</b>	MALAPUT	<b>Inspection Date:</b>	2022/09/01
<b>KM:</b>	3.60	<b>User km:</b>	3.60	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2025/09/01
<b>Project File ID #:</b>	7655	<b>Br.</b>	09	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	21,000		<b>Outlet Cover (mm):</b>	21,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>	7.0			
<b>Culvert Length (metres):</b>	89.4	<b>Opening Height (mm):</b>	1,600	<b>Opening Width (mm):</b>	1,600		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	360346	<b>UTM Northing:</b>	5897540		
<b>Inspector Name:</b>	Warren Wilkinson		<b>Year Superstructure Installed:</b>	1989			
<b>Access:</b>	Undersized culvert						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	2	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	2	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Fair	Wilderness level

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Fair	
<b>Coating</b>	Fair	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	20m - 25m
<b>Floor</b>	Fair	Some rust
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 441 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-090	<b>Structure Name:</b>	G4-090	<b>Road Name:</b>	MALAPUT	<b>Inspection Date:</b>	2022/09/01
<b>Inlet</b>	Fair	constricts stream					
<b>Outlet</b>	Poor	perched but otherwise ok					
<b>Overall</b>	Fair						
<b>Riprap</b>	Good						
<b>Roof</b>	Fair	some deformation from install					
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Good						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	1.0	<b>Estimated Present Water Level Width:</b>	0.5
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	Yes	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	Yes
	<b>Comment:</b>	culvert is perched, this has been caused by scour and aggradation at outlet								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	5	monitor joints for separation

<b>GENERAL</b>	<b>Inspector's Comment:</b>	watch for sharp edges at joints when walking through culvert. culvert undersized for stream. potential for catastrophic failure if culvert was ever plugged. major fill. culvert does have trash rack, hard to see/find through brush.
	<b>PEng's Comment:</b>	Monitor pipe for separation at each inspection. BH

<b>GENERAL</b>	<b>PEng's Comment:</b>	Monitor pipe for separation at each inspection. BH
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### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 442 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-090	<b>Structure Name:</b>	G4-090	<b>Road Name:</b>	MALAPUT	<b>Inspection Date:</b>	2022/09/01	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2039	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/22 10:57:37				

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 443 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-091	Structure Name:	G4-091	Road Name:	MALAPUT	Inspection Date:	2002/06/26
KM:	16.70	User km:	16.70	Crossing Name:	Unnamed creek	Next Inspection Date:	2005/06/26
Project File ID #:	7655	Br.	09	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	700			Outlet Cover (mm):	700		
Footing Type:				Gradient (%):	3.0		
Culvert Length (metres):	18.0	Opening Height (mm):	1,400	Opening Width (mm):	1,400		
UTM Zone:	10	UTM Easting:	349257	UTM Northing:	5891544		
Inspector Name:	Tim Silbernagel			Year Superstructure Installed:	1989		
Access:	Minor culvert, 1400mm, leave as DNI. GZ 2020						

### APPROACHES

Bridge Ahead Signs Missing	2	No Comment Available -Converter.RNI
Delineator Missing Left (approaching structure)	2	No Comment Available -Converter.RNI
Delineator Missing Right (approaching structure)	2	No Comment Available -Converter.RNI
Posted Load Rating (Enter 0 if sign missing)	0.0	No Comment Available -Converter.RNI
Road Surface	Good	No Comment Available -Converter.RNI

### CULVERT ELEMENT

Coupled Connections	Good	No Comment Available -Converter.RNI
Coating	Good	No Comment Available -Converter.RNI
Fill	Good	No Comment Available -Converter.RNI
Floor	Good	No Comment Available -Converter.RNI
Inlet	Good	No Comment Available -Converter.RNI
Outlet	Good	No Comment Available -Converter.RNI
Riprap	Good	No Comment Available -Converter.RNI
Roof	Good	No Comment Available -Converter.RNI
Side Walls	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 444 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-091	<b>Structure Name:</b>	G4-091	<b>Road Name:</b>	MALAPUT	<b>Inspection Date:</b>	2002/06/26
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>			
	<b>Estimated High Water Level Clearance:</b>			0.0			
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b> No
	<b>Aggradation:</b>	No					
<b>Comment:</b>							
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>		
<b>MONITORS</b>	<b>#</b>	<b>Description</b>					
	1	Windfall problem upstream to monitor. Monitor scour at outlet if not fixed. (no change - chinch 2002)					
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2039	<b>Estimated Replacement (year):</b>		
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By IDIR\RMGETZLA on 2012/04/13 11:20:48			

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 445 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-092	<b>Structure Name:</b>	G4-092	<b>Road Name:</b>	MALAPUT	<b>Inspection Date:</b>	2019/08/08
<b>KM:</b>	19.60	<b>User km:</b>	19.60	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2022/08/08
<b>Project File ID #:</b>	7655	<b>Br.</b>	09	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	10,700			<b>Outlet Cover (mm):</b>	10,700		
<b>Footing Type:</b>				<b>Gradient (%):</b>	7.0		
<b>Culvert Length (metres):</b>	48.0	<b>Opening Height (mm):</b>	1,600	<b>Opening Width (mm):</b>	1,600		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	346584	<b>UTM Northing:</b>	5892022		
<b>Inspector Name:</b>	dawson smith			<b>Year Superstructure Installed:</b>	1989		
<b>Access:</b>	Minor culvert						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	INLET SIDE
<b>Delineator Missing Left</b> (approaching structure)	0	
<b>Delineator Missing Right</b> (approaching structure)	0	
<b>Fender Condition</b>	None	
<b>Road Surface</b>	Fair	MINOR SCOURING ON RIGHT SIDE OF ROAD

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Excellent	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	
<b>Inlet</b>	Good	
<b>Outlet</b>	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 446 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-092	<b>Structure Name:</b>	G4-092	<b>Road Name:</b>	MALAPUT	<b>Inspection Date:</b>	2019/08/08
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<b>Overall</b>	Good
<b>Riprap</b>	Not Applicable
<b>Roof</b>	Good
<b>Side Walls</b>	Good
<b>Trash Rack</b>	Not Applicable
<b>Wiers/Backwater Structures</b>	Not Applicable
<b>Wing Wall</b>	Not Applicable

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	5.0
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	1	Not Required	Medium	\$	brush out inlet

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	good, LOCK BLOCKS ON ROAD BED, INLET BRUSHED IN, MINOR SCOURING ON ROAD BED
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<b>GENERAL</b>	<b>PEng's Comment:</b>	From the pictures the brush is NOT in the stream or blocking the inlet. It appears to be just vegetation growing on the ground.
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2025	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91
	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jason Olmsted on 2020/01/20 14:52:44

### Corporate Bridge Register (CBR)

Disclaimer:  
 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.  
 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 447 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-059	<b>Structure Name:</b>	G4-059	<b>Road Name:</b>	KLUSKUS PAN	<b>Inspection Date:</b>	2022/10/20
<b>KM:</b>	6.30	<b>User km:</b>	6.30	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2025/10/20
<b>Project File ID #:</b>	7655	<b>Br.</b>	10	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	900			<b>Outlet Cover (mm):</b>	1,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>	1.0		
<b>Culvert Length (metres):</b>	20.0	<b>Opening Height (mm):</b>	2,000	<b>Opening Width (mm):</b>	2,000		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	411445	<b>UTM Northing:</b>	5896792		
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1988		
<b>Access:</b>	Road is posted as the 4000 Road						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 448 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-059	<b>Structure Name:</b>	G4-059	<b>Road Name:</b>	KLUSKUS PAN	<b>Inspection Date:</b>	2022/10/20
<b>Inlet</b>	Good						
<b>Outlet</b>	Good		15cm pluinge				
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	0.5
	<b>Estimated High Water Level Clearance:</b>	0.6		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. No significant issues noted during the inspection.

<b>GENERAL</b>	<b>PEng's Comment:</b>	Monitor pipe separation 1/3 in from outlet. BH

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 449 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-059	<b>Structure Name:</b>	G4-059	<b>Road Name:</b>	KLUSKUS PAN	<b>Inspection Date:</b>	2022/10/20	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2028	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/12/08 12:39:54			

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 450 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-058	Structure Name:	G4-926	Road Name:	KLUSKUS PAN	Inspection Date:	2022/10/20
KM:	16.00	User km:	16.00	Crossing Name:	Beamis Creek	Next Inspection Date:	2024/10/20
Project File ID #:	7655	Br.	10	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated - Panels			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Sill -Temporary Materials	
Superstructure:	Steel I-beam				Right	Sill -Temporary Materials	
Total Length (metres):	15.2	# Spans:	1	Span Width:			Span Length(s) (metres): 15.2
UTM Zone:	10		UTM Easting:	419934		UTM Northing:	5896711
Inspector Name:	John Brett			Year Superstructure Installed:	2001		
Access:	Turn off at 100 km on Kluskus onto Blue Road. Turn left at 19 km onto Kluskus-Blackwater. Access control (concrete blocks) at 13.5 km.						

### ABUTMENTS

Bearings	Fair	
Bracing	Not Applicable	
Ballast Wall	Fair	one timber out of place
Corrosion Protection	Not Applicable	
Caps or Sills	Fair	
Fill	Good	
Hardware	Unrated	none visible
Piles or Posts	Not Applicable	
Riprap	Not Applicable	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	1	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 451 of 1182

## Log Stringer Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-058	Structure Name:	G4-926	Road Name:	KLUSKUS PAN	Inspection Date:	2022/10/20
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	one missing on the left bank upstream panel
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	2.0
Estimated High Water Level Clearance:	0.8		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
6	Required	Medium		Install fenders both sides

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 452 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-058	<b>Structure Name:</b>	G4-926	<b>Road Name:</b>	KLUSKUS PAN	<b>Inspection Date:</b>	2022/10/20
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in good shape overall. No hardware is visible on the bearing to timber sill connection, there is a possibility it could be buried. The right bank ballast wall has a timber that is out of place and could start losing material from behind it. There is a missing deck bolt on the panel located on the left bank upstream side. Previous repair item of installing fenders is not complete. Monitor of ballast wall during this inspection did not recognize any new or worsening issues.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	No structural concerns. Install fenders both sides. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2030		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/08 12:38:21			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 453 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-066	Structure Name:	G4-066	Road Name:	KLUSKUS PAN	Inspection Date:	2021/09/09
KM:	19.00	User km:	19.00	Crossing Name:	Fireguard Creek	Next Inspection Date:	2024/09/09
Project File ID #:	7655	Br.	10	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete Composite			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Steel Pipe and Precast Pad	
Superstructure:	Steel I-beam				Right	Steel Pipe and Precast Pad	
Total Length (metres):	18.3	# Spans:	1	Span Width:			Span Length(s) (metres): 18
UTM Zone:	10		UTM Easting:	420956		UTM Northing:	5894382
Inspector Name:	Vince Sewell			Year Superstructure Installed:	2020		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Good	
Ballast Wall	Good	
Corrosion Protection	Good	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	91	
Road Surface	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 454 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-066	Structure Name:	G4-066	Road Name:	KLUSKUS PAN	Inspection Date:	2021/09/09
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	3.0
	Estimated High Water Level Clearance:	2.5		

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

REPAIRS	#	Status	Priority	Estimate	Description

MONITORS	#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 455 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-066	<b>Structure Name:</b>	G4-066	<b>Road Name:</b>	KLUSKUS PAN	<b>Inspection Date:</b>	2021/09/09
<b>GENERAL</b>	<b>Inspector's Comment:</b>	New Bridge no industrial use very good condition					
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2065	<b>Estimated Replacement (year):</b>	2065			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>		<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/01/18 12:01:31			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 456 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-080	Structure Name:	G4-908	Road Name:	LUCAS	Inspection Date:	2023/09/04
KM:	1.30	User km:	1.20	Crossing Name:	Lucas Creek	Next Inspection Date:	2025/09/04
Project File ID #:	7655	Br.	14	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Sill -Temporary Materials	
Superstructure:	Steel I-beam				Right	Sill -Temporary Materials	
Total Length (metres):	12.0	# Spans:	1	Span Width:			Span Length(s) (metres): 12
UTM Zone:	10		UTM Easting:	363144		UTM Northing:	5935188
Inspector Name:	John Brett			Year Superstructure Installed:	1990		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Fair	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Fair	noriprap in front of Right abutment
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Fair	logs getting soft
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 457 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-080	Structure Name:	G4-908	Road Name:	LUCAS	Inspection Date:	2023/09/04
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	3.5
Estimated High Water Level Clearance:	1.0		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
9	Required	Medium	\$	Raise structure to avoid contact between girders and retaining logs in front of sills.

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 458 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-080	<b>Structure Name:</b>	G4-908	<b>Road Name:</b>	LUCAS	<b>Inspection Date:</b>	2023/09/04
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is set on timbers behind logs. The left abutment retaining log has some scour but does not appear to be losing material under the sill at this point. Structure would benefit from adding riprap to left abutment and raising the structure so the girders do not impact the retaining logs in front of the sills. PEng to assess and evaluate effects of girder to log impacts.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Ok for now. No changes since last inspection. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2025	<b>Estimated Replacement (year):</b>	2025			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/09 14:24:15			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 459 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-060	<b>Structure Name:</b>	G4-060	<b>Road Name:</b>	CHEDAKUZ	<b>Inspection Date:</b>	2023/09/04
<b>KM:</b>	8.10	<b>User km:</b>	8.10	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2026/09/04
<b>Project File ID #:</b>	7655	<b>Br.</b>	18	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,500		<b>Outlet Cover (mm):</b>	1,500			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	18.0	<b>Opening Height (mm):</b>	2,200	<b>Opening Width (mm):</b>	2,200		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	369047	<b>UTM Northing:</b>	5909925		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	1991			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 460 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-060	<b>Structure Name:</b>	G4-060	<b>Road Name:</b>	CHEDAKUZ	<b>Inspection Date:</b>	2023/09/04
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good		minor scour and migration at inlet				
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	1.6		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. Slight sag at center of pipe monitor is not noticeable and can likely be removed from the monitoring items. Plunge at outlet is 24 cm from culvert to bottom of plunge pool. There is some minor scouring of riprap at inlet - monitor item appears to be consistent with last inspection with no further scour noted.
	<b>PEng's Comment:</b>	Culvert in good shape. No concerns. Continue to monitor scour at inlet at next inspection. BH

<b>GENERAL</b>	<b>PEng's Comment:</b>	Culvert in good shape. No concerns. Continue to monitor scour at inlet at next inspection. BH

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 461 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-060	<b>Structure Name:</b>	G4-060	<b>Road Name:</b>	CHEDAKUZ	<b>Inspection Date:</b>	2023/09/04	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2031	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/10/23 14:20:46			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 462 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-095	<b>Structure Name:</b>	G4-915	<b>Road Name:</b>	NARCOSLI	<b>Inspection Date:</b>	2023/09/06	
<b>KM:</b>	3.80	<b>User km:</b>	5.00	<b>Crossing Name:</b>	Beamis Creek	<b>Next Inspection Date:</b>	2026/09/06	
<b>Project File ID #:</b>	7655	<b>Br.</b>	20	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Not Available			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	15.3	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	15.3
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	417615		<b>UTM Northing:</b>	5898444	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1998			
<b>Access:</b>	Turn left at about km 10 on the Kluskus-Blackwater FSR (4000 road)							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	1	
<b>Delineator Missing Right (approaching structure)</b>	2	
<b>Fender Condition</b>	Fair	logs
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 463 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-095	Structure Name:	G4-915	Road Name:	NARCOSLI	Inspection Date:	2023/09/06
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Road Surface	Fair	winter road
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	3.0
	Estimated High Water Level Clearance:	1.6		

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

REPAIRS	#	Status	Priority	Estimate	Description
	8	Required	Low	\$ 750.00	Install 1 left and 2 right delineators
	9	Required	Low	\$	Upgrade from log to concrete approach fenders, both approaches

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 464 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-095	<b>Structure Name:</b>	G4-915	<b>Road Name:</b>	NARCOSLI	<b>Inspection Date:</b>	2023/09/06
<b>MONITORS</b>	#	Description					
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is along a seasonal road. It is in good shape overall. Structure would benefit from upgrading approach fenders					
<b>GENERAL</b>	<b>PEng's Comment:</b>	OK. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>		2030	
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/09 15:28:19			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 465 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-094	<b>Structure Name:</b>	G4-911	<b>Road Name:</b>	MOOSE LAKE	<b>Inspection Date:</b>	2023/09/04	
<b>KM:</b>	12.80	<b>User km:</b>	12.80	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2026/09/04	
<b>Project File ID #:</b>	7655	<b>Br.</b>	28	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Not Available			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Steel Pipe and Precast Pad		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Steel Pipe and Precast Pad		
<b>Total Length (metres):</b>	10.4	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	10.4
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	348085		<b>UTM Northing:</b>	5886716	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1999			
<b>Access:</b>	Gated at the start of the road - get key from District or Helicopter access							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Good	
<b>Ballast Wall</b>	Poor	rotten
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Fair	bit of scour at toe of riprap apron both abutments
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	1	
<b>Delineator Missing Right (approaching structure)</b>	2	
<b>Fender Condition</b>	Poor	rotten
<b>Posted Load Rating (Enter 0 if sign missing)</b>	5	
<b>Road Surface</b>	Fair	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 466 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-094	Structure Name:	G4-911	Road Name:	MOOSE LAKE	Inspection Date:	2023/09/04
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Poor	rotten
Deck to Girder Bolts	Good	
Hardware	Poor	replace
Hand Rails/Walkouts	Not Applicable	
Nails	Fair	
Overall Deck Condition	Poor	Requires full timber deck replacement
Running Planks	Poor	rotten
Sub Deck	Poor	rotten
Ties	Poor	rotten

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	3.0
Estimated High Water Level Clearance:	1.5		

### HAZARDS

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

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 467 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-094	<b>Structure Name:</b>	G4-911	<b>Road Name:</b>	MOOSE LAKE	<b>Inspection Date:</b>	2023/09/04
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REPAIRS	#	Status	Priority	Estimate	Description
	10	Required	Low	\$	Brush out both approaches
	11	Required	Low	\$ 750.00	Add one right and two left delineators
	12	Required	Medium	\$	Redo riprap when timber components replaced. will have to remove superstructure to key in riprap at toe of apron
	13	Required	High	\$	Replace all timber components and approach fenders on structure
	14	Required	High	\$ 0.00	Metal risers need securing. Attached to rotten ties.
	15	Required	Medium	\$ 0.00	Damaged Diaphragm Bottom Chord - repair when deactivated or removed.

MONITORS	#	Description

GENERAL	<b>Inspector's Comment:</b>	Structure is posted at 5 tonnes. Structure will require new Derck, guardrails, ballast walls and approach fenders for industrial useage.
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GENERAL	<b>PEng's Comment:</b>	Bridge is in poor condition. Wooden components are rotten and require replacement before industrial use. Holes forming in deck, metal guard rail risers have broken connection to ties. Undermining of rip rap on left bank. Bridge could be closed at any time. BH
---------	------------------------	---

GENERAL	<b>Estimated Load Restriction (year):</b>		2010	<b>Estimated Replacement (year):</b>		
	<b>Current Inspection Load Rating:</b>	5	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/10/24 09:50:38		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 468 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-127	<b>Structure Name:</b>	G4-127	<b>Road Name:</b>	BLACKFLY	<b>Inspection Date:</b>	2011/09/21
<b>KM:</b>	4.80	<b>User km:</b>	4.80	<b>Crossing Name:</b>	Un-named Creek	<b>Next Inspection Date:</b>	2013/09/21
<b>Project File ID #:</b>	7655	<b>Br.</b>	38	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Crib, Log or Untreated Timber	
<b>Superstructure:</b>	Log Stringers				<b>Right</b>	Crib, Log or Untreated Timber	
<b>Total Length (metres):</b>	6.0	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	6
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	387129		<b>UTM Northing:</b>	5902659
<b>Inspector Name:</b>	Shane Goretzky			<b>Year Superstructure Installed:</b>			
<b>Access:</b>	Bridge was removed by BCTS in 2013. Travel south on the Kluskus to 124.5 km. Turn onto the Davidson Road and travel to 6 km. Turn left onto the Blackfly and travel to						

### ABUTMENTS

<b>Bearings</b>	Not Applicable	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Fair	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Fair	Signs of rot on downchain side
<b>Fill</b>	Fair	
<b>Hardware</b>	Not Applicable	
<b>Log/Timber Cribs</b>	Fair	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Tie-backs</b>	Not Applicable	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	None	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 469 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-127	<b>Structure Name:</b>	G4-127	<b>Road Name:</b>	BLACKFLY	<b>Inspection Date:</b>	2011/09/21
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<b>Road Surface</b>	Fair	
<b>DECK</b>		
<b>Span 1</b>		
<b>Curb Rail/Blocks/Posts</b>	Fair	
<b>Deck to Girder Bolts</b>	Not Applicable	
<b>Hardware</b>	Not Applicable	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Fair	
<b>Overall Deck Condition</b>	Fair	fair to poor condition
<b>Running Planks</b>	Not Applicable	
<b>Sub Deck</b>	Fair	Some planks showing rot and hole in deck
<b>Ties</b>	Fair	

<b>STRINGERS</b>		
<b>Span 1</b>		
<b>Log Curbs</b>	Fair	
<b>Needle Beam(s) and Shims</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.0	<b>Estimated Present Water Level Width:</b>	0.0
	<b>Estimated High Water Level Clearance:</b>	0.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	1	Required	Medium	\$	Deck requires replacement prior to any industrial use

<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	1	monitor rot in stringer, sill and ties

### Corporate Bridge Register (CBR)

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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 470 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-127	<b>Structure Name:</b>	G4-127	<b>Road Name:</b>	BLACKFLY	<b>Inspection Date:</b>	2011/09/21
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Low to zero traffic, behind access management point Need Log stringer measurements. Bridge rated at 5 tonnes until structure data is completed and checked.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2015	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	5	<b>Design Load GVW (tonnes):</b>		<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By Jason Olmsted on 2013/05/24 00:00:00			

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 471 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-122	<b>Structure Name:</b>	G1-927	<b>Road Name:</b>	VIGANO	<b>Inspection Date:</b>	2023/09/06	
<b>KM:</b>	3.20	<b>User km:</b>	1.90	<b>Crossing Name:</b>	Matthews Creek	<b>Next Inspection Date:</b>	2026/09/06	
<b>Project File ID #:</b>	7655	<b>Br.</b>	60	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated - Panels			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Precast		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Precast		
<b>Total Length (metres):</b>	18.3	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	18.3
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	355058		<b>UTM Northing:</b>	5886964	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2016			
<b>Access:</b>	Turn right at km 156 on the Kluskus-Ootsa then turn left at km 1.0							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Precast</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	1	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Fair	stones, should install proper fenders
<b>Posted Load Rating (Enter 0 if sign missing)</b>	30	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 472 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-122	Structure Name:	G1-927	Road Name:	VIGANO	Inspection Date:	2023/09/06
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Road Surface	Fair	
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Poor	rotten in several spots
Deck to Girder Bolts	Good	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Fair	
Running Planks	Fair	
Sub Deck	Fair	
Ties	Fair	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.3	Estimated Present Water Level Width:	5.0
	Estimated High Water Level Clearance:	1.8		

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

REPAIRS	#	Status	Priority	Estimate	Description
	4	Required	Low	\$ 750.00	Install one bridge ahead sign
	5	Required	Medium	\$	Instgall concrete approach fenders on all 4 corners
	6	Required	Medium	\$	replace 6 deck modules for industrial use

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 473 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-122	Structure Name:	G1-927	Road Name:	VIGANO	Inspection Date:	2023/09/06
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MONITORS	#	Description

  

GENERAL	<b>Inspector's Comment:</b>	Bridge deck is in Fair condition and timber deck modules should be replaced for industrial use. There are currently stones and timbers in place as approach fenders. These should be upgraded to concrete approach fenders for industrial use. Site requires one brige ahead sign be installed.
	<b>PEng's Comment:</b>	Bridge to remain at 30 tonnes. Guard rails need replacing. Could downrate or close if condition of guard rails worsens. BH

  

GENERAL	<b>Estimated Load Restriction (year):</b>	2050	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	30	<b>Design Load GVW (tonnes):</b>	68	<b>Design Vehicle Config.:</b>	L75
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/14 16:13:12		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 474 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-075	Structure Name:	G4-919	Road Name:	GOLD 5000	Inspection Date:	2021/10/06	
KM:	1.70	User km:	1.70	Crossing Name:	Unnamed creek	Next Inspection Date:	2024/10/06	
Project File ID #:	7655	Br.	77	Forest District:	Stuart Nechako Natural Resource District			
Deck Type:	Timber - Treated			Running Surface:	Not Available			
Curb Type:				Abutments (looking downstream)	Left	Concrete Precast		
Superstructure:	Steel I-beam				Right	Concrete Precast		
Total Length (metres):	15.2	# Spans:	1	Span Width:			Span Length(s) (metres):	15.2
UTM Zone:	10		UTM Easting:	409777		UTM Northing:	5928545	
Inspector Name:	Warren Wilkinson			Year Superstructure Installed:	1999			
Access:	Turn left off Kluskus FSR at 59 km (Gold Road) then turn right of Gold Road at 13.8 km. Note: Coloured named roads have changed (RJ06)							

### ABUTMENTS

Bearings	Poor	collapsing/rotting sills
Bracing	Not Applicable	
Ballast Wall	Fair	Starting to rot, unpeeled logs
Concrete Precast	Poor	Blocks, shifting
Corrosion Protection	Not Applicable	
Caps or Sills	Poor	Rotting and collapsing/compressing
Fill	Good	
Hardware	Poor	Missing nuts washers, some bent bolts
Piles or Posts	Not Applicable	
Riprap	Not Applicable	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	1	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	5	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 475 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-075	<b>Structure Name:</b>	G4-919	<b>Road Name:</b>	GOLD 5000	<b>Inspection Date:</b>	2021/10/06
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<b>Road Surface</b>	Poor	Wilderness level
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### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Poor	Rot
<b>Deck to Girder Bolts</b>	Not Applicable	None seen
<b>Hardware</b>	Poor	Missing fastenings
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Poor	Coming out
<b>Overall Deck Condition</b>	Poor	See all above
<b>Running Planks</b>	Poor	Rotting rails coming off
<b>Sub Deck</b>	Poor	Rotting
<b>Ties</b>	Poor	Tops and ends rotting

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Not Applicable	"
<b>Diaphragms</b>	Good	Could not observe
<b>Girders</b>	Good	
<b>Hardware</b>	Not Applicable	"
<b>Under Trussing</b>	Not Applicable	"

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	1.0	<b>Estimated Present Water Level Width:</b>	4.0
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	Yes	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	Yes	<b>Aggradation:</b>	No
	<b>Comment:</b>	Beaver dams above and below water backed up under bridge								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 476 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-075	Structure Name:	G4-919	Road Name:	GOLD 5000	Inspection Date:	2021/10/06
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MONITORS	#	Description
	3	Monitor sills and lock blocks
	4	Monitor deck
	5	Monitor beaver dams

GENERAL	Inspector's Comment:	
	PEng's Comment:	

GENERAL	Estimated Load Restriction (year):	2025	Estimated Replacement (year):			
	Current Inspection Load Rating:	5	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Rejected By IDIR\BHENDERS on 2022/02/28 09:27:05		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 477 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-085	Structure Name:	G4-085	Road Name:	88 ROAD	Inspection Date:	2021/10/06
KM:	3.20	User km:	3.20	Crossing Name:	Unnamed	Next Inspection Date:	2024/10/06
Project File ID #:	7655	Br.	91	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Open Bottom		Culvert Material:	Corrugated Steel			
Inlet Cover (mm):	700		Outlet Cover (mm):	700			
Footing Type:	Steel Footing		Gradient (%):				
Culvert Length (metres):	12.3	Opening Height (mm):	1,524	Opening Width (mm):	3,048		
UTM Zone:	10	UTM Easting:	401077	UTM Northing:	5922860		
Inspector Name:	Warren Wilkinson		Year Superstructure Installed:	2009			
Access:							

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	2	
Brushing Required	No	
Delineator Missing Left (approaching structure)	2	
Delineator Missing Right (approaching structure)	2	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Poor	Wilderness level

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Good	
Coupled Connections	Not Applicable	
Coating	Fair	Some rust
Embedment Materials	Not Applicable	
Fill	Fair	One third down stream side not covered by dirt
Floor	Not Applicable	
Footing	Fair	Scoured at inlet water running along and under left footing
Head Wall	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 478 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-085	<b>Structure Name:</b>	G4-085	<b>Road Name:</b>	88 ROAD	<b>Inspection Date:</b>	2021/10/06
<b>Inlet</b>	Good	scour on left bank and under footing					
<b>Outlet</b>	Good	Water running under left footing					
<b>Overall</b>	Good						
<b>Riprap</b>	Not Applicable						
<b>Roof</b>	Good						
<b>Side Walls</b>	Fair	Rusting from bottom up					
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	0.5
	<b>Estimated High Water Level Clearance:</b>	0.2		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	Yes	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	2	Inlet left footing scour

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Look to remove culvert. About 4 cross drains and the culvert.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 479 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-085	<b>Structure Name:</b>	G4-085	<b>Road Name:</b>	88 ROAD	<b>Inspection Date:</b>	2021/10/06
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2050	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/02 12:38:13			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 480 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-209	<b>Structure Name:</b>	G5-209	<b>Road Name:</b>	LEO CREEK	<b>Inspection Date:</b>	2023/09/03
<b>KM:</b>	1.00	<b>User km:</b>	1.00	<b>Crossing Name:</b>	Un-named Creek	<b>Next Inspection Date:</b>	2026/09/03
<b>Project File ID #:</b>	7671	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	1,000			<b>Outlet Cover (mm):</b>	1,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	28.0	<b>Opening Height (mm):</b>	3,600	<b>Opening Width (mm):</b>	3,600		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	392440	<b>UTM Northing:</b>	6056394		
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2019		
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Excellent	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Fair	surface rust on culvert sides
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Unrated	under water
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 481 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-209	<b>Structure Name:</b>	G5-209	<b>Road Name:</b>	LEO CREEK	<b>Inspection Date:</b>	2023/09/03
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	1.5
	<b>Estimated High Water Level Clearance:</b>	1.4		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. Structure was partially full of water during inspection so could not inspect culvert bottom. No beaver dams were noted during the inspection.

<b>GENERAL</b>	<b>PEng's Comment:</b>	Good. BH

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 482 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-209	<b>Structure Name:</b>	G5-209	<b>Road Name:</b>	LEO CREEK	<b>Inspection Date:</b>	2023/09/03
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2064	<b>Estimated Replacement (year):</b>		2075	
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b> L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b> Reviewed By Bruce Henderson on 2023/11/09 09:09:15				

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 483 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-210	<b>Structure Name:</b>	G5-210A	<b>Road Name:</b>	LEO CREEK	<b>Inspection Date:</b>	2022/10/21
<b>KM:</b>	20.80	<b>User km:</b>	20.80	<b>Crossing Name:</b>	Kuzkwa River	<b>Next Inspection Date:</b>	2025/10/21
<b>Project File ID #:</b>	7671	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Concrete		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials	
<b>Total Length (metres):</b>	73.3	<b># Spans:</b>	3	<b>Span Width:</b>			<b>Span Length(s) (metres):</b> 12.2, 42.7, 18.3
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	391315		<b>UTM Northing:</b>	6073543
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2011		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Excellent	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 484 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-210	Structure Name:	G5-210A	Road Name:	LEO CREEK	Inspection Date:	2022/10/21
---------	--------	-----------------	---------	------------	-----------	------------------	------------

### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	
Deck Joints	Good	Replace expansion joint rubber between RB and Center span
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

#### Span 2

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

#### Span 3

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
---------	------	--

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 485 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-210	<b>Structure Name:</b>	G5-210A	<b>Road Name:</b>	LEO CREEK	<b>Inspection Date:</b>	2022/10/21
<b>Diaphragms</b>	Good						
<b>Girders</b>	Good						
<b>Hardware</b>	Good						
<b>Under Trussing</b>	Not Applicable						
<b>Span 2</b>							
<b>Bracing</b>	Good						
<b>Diaphragms</b>	Good						
<b>Girders</b>	Good						
<b>Hardware</b>	Good						
<b>Under Trussing</b>	Not Applicable						
<b>Span 3</b>							
<b>Bracing</b>	Good						
<b>Diaphragms</b>	Good						
<b>Girders</b>	Good						
<b>Hardware</b>	Good						
<b>Under Trussing</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.8	<b>Estimated Present Water Level Width:</b>	20.0
	<b>Estimated High Water Level Clearance:</b>	2.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	3	Required	Low	\$	Clean gravel from deck
	4	Required	Low	\$	Replace expansion joint rubber between RB and center span

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

### Corporate Bridge Register (CBR)

Disclaimer:  
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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 486 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-210	<b>Structure Name:</b>	G5-210A	<b>Road Name:</b>	LEO CREEK	<b>Inspection Date:</b>	2022/10/21
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in good shape overall. Expansion joint rubber strip has failed however between the right bank span and the mainspan. Should be replaced. Should also clear gravel from deck.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2060		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 15:50:08			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 487 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-212	<b>Structure Name:</b>	G5-212	<b>Road Name:</b>	LEO CREEK	<b>Inspection Date:</b>	2022/10/21	
<b>KM:</b>	43.10	<b>User km:</b>	43.10	<b>Crossing Name:</b>	Inzana Creek	<b>Next Inspection Date:</b>	2025/10/21	
<b>Project File ID #:</b>	7671	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Not Available			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Steel Pipe and Precast Pad		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Steel Pipe and Precast Pad		
<b>Total Length (metres):</b>	27.4	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	27.4
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	378608		<b>UTM Northing:</b>	6092810	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2002			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	outsides buried with gravel from grader
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	1	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	should be repositioned to close gap between them and guardrails
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 488 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-212	Structure Name:	G5-212	Road Name:	LEO CREEK	Inspection Date:	2022/10/21
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	rotte, damaged, replace
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.6	Estimated Present Water Level Width:	2.5
	Estimated High Water Level Clearance:	2.0		

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

REPAIRS	#	Status	Priority	Estimate	Description
	3	Required	Low		clean gravel from deck
	4	Required	Low		close gap between no post barriers and guardrails
	5	Required	Low		clear gravel piling up on bearings and girders
	6	Required	High		replace rotten guardrails
	7	Required	Low		Add one delineator

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 489 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-212	Structure Name:	G5-212	Road Name:	LEO CREEK	Inspection Date:	2022/10/21
---------	--------	-----------------	--------	------------	-----------	------------------	------------

<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	Structure requires new guardrails and would benefit from the removal of the gravel accumulating on the outside of the bearings and girders. Should close up the gap between the fenders and the guardrails.				
	PEng's Comment:					
<b>GENERAL</b>	Estimated Load Restriction (year):	2052	Estimated Replacement (year):			
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/12/09 15:51:31		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 490 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-211	<b>Structure Name:</b>	G5-211A	<b>Road Name:</b>	LEO CREEK	<b>Inspection Date:</b>	2022/10/21	
<b>KM:</b>	46.10	<b>User km:</b>	46.10	<b>Crossing Name:</b>	Barbara-Anne Creek	<b>Next Inspection Date:</b>	2025/10/21	
<b>Project File ID #:</b>	7671	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Concrete			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials		
<b>Total Length (metres):</b>	15.2	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	15
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	376693		<b>UTM Northing:</b>	6095284	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2018			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Good	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 491 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G5-211 Structure Name: G5-211A Road Name: LEO CREEK Inspection Date: 2022/10/21

### DECK

#### Span 1

Concrete Deck	Good	one panel damaged superficially on downstream left bank end of bridge.
Curb Rail/Blocks/Posts	Good	
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	3.0
	Estimated High Water Level Clearance:	2.5		

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

REPAIRS	#	Status	Priority	Estimate	Description
	2	Required	Low	\$	Remove chamfer forming from underside of deck panel drip rails

MONITORS	#	Description

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 492 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-211	<b>Structure Name:</b>	G5-211A	<b>Road Name:</b>	LEO CREEK	<b>Inspection Date:</b>	2022/10/21
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall. A damaged deck panel was noted on the downstream lb end of the structure. Also noted was that most of the chamfer forming for the underside drip rail on the deck panels was not removed. Should remove this.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Good. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2063	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 15:50:49			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 493 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-213	<b>Structure Name:</b>	G5-213	<b>Road Name:</b>	LEO CREEK	<b>Inspection Date:</b>	2001/09/25
<b>KM:</b>	46.60	<b>User km:</b>	46.60	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2004/09/25
<b>Project File ID #:</b>	7671	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	1,000			<b>Outlet Cover (mm):</b>	1,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>	1.0		
<b>Culvert Length (metres):</b>	21.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	376730	<b>UTM Northing:</b>	6095750		
<b>Inspector Name:</b>	Tim Silbernagel			<b>Year Superstructure Installed:</b>	1979		
<b>Access:</b>	Minor culvert 1800 New arch design 2017 on file						

### APPROACHES

<b>Bridge Ahead Signs Missing</b>	2	No Comment Available -Converter.RNI
<b>Delineator Missing Left</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Delineator Missing Right</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0.0	No Comment Available -Converter.RNI
<b>Road Surface</b>	Good	No Comment Available -Converter.RNI

### CULVERT ELEMENT

<b>Coupled Connections</b>	Good	No Comment Available -Converter.RNI
<b>Coating</b>	Good	No Comment Available -Converter.RNI
<b>Fill</b>	Good	No Comment Available -Converter.RNI
<b>Floor</b>	Good	No Comment Available -Converter.RNI
<b>Inlet</b>	Poor	No Comment Available -Converter.RNI
<b>Outlet</b>	Good	No Comment Available -Converter.RNI
<b>Riprap</b>	Fair	No Comment Available -Converter.RNI
<b>Roof</b>	Good	No Comment Available -Converter.RNI
<b>Side Walls</b>	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 494 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-213	<b>Structure Name:</b>	G5-213	<b>Road Name:</b>	LEO CREEK	<b>Inspection Date:</b>	2001/09/25	
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>				
	<b>Estimated High Water Level Clearance:</b>			0.0				
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b> Yes	<b>Aggradation:</b> No
	<b>Comment:</b>							
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>			
	2	Suggested	High	\$ 0.00	Span: 1.0. Remove Beaver Dam. inlet totally blocked by dams.			
<b>MONITORS</b>	<b>#</b>	<b>Description</b>						
	1	MONITOR - Culvert has constant beaver problems. (totally plugged/submerged TS 2001)						
<b>GENERAL</b>	<b>Inspector's Comment:</b>	nullCulvert: 1) plugged by beavers, submerged 0.2 4,5,6,7) can't see due to high water, assume solid 12) no scour.						
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments						
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2029	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	54	<b>Design Load GVW (tonnes):</b>	54	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By Raymond Getzlaf on 2012/04/10 00:00:00				

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 495 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-214	Structure Name:	G5-214	Road Name:	LEO CREEK	Inspection Date:	2023/09/04
KM:	74.50	User km:	74.50	Crossing Name:	Unnamed creek	Next Inspection Date:	2026/09/04
Project File ID #:	7671	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	4,000			Outlet Cover (mm):	4,000		
Footing Type:				Gradient (%):			
Culvert Length (metres):	31.0	Opening Height (mm):	2,000	Opening Width (mm):	2,000		
UTM Zone:	10	UTM Easting:	357223	UTM Northing:	6111022		
Inspector Name:	John Brett			Year Superstructure Installed:	1975		
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Good	
Coupled Connections	Not Applicable	
Coating	Fair	
Embedment Materials	Not Applicable	
Fill	Good	
Floor	Good	
Footing	Not Applicable	
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 496 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-214	<b>Structure Name:</b>	G5-214	<b>Road Name:</b>	LEO CREEK	<b>Inspection Date:</b>	2023/09/04
<b>Inlet</b>	Good						
<b>Outlet</b>	Fair	lower section of culvert crushed. Has existed this way for several years.					
<b>Overall</b>	Fair						
<b>Riprap</b>	Good						
<b>Roof</b>	Fair						
<b>Side Walls</b>	Fair						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	0.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	5	Continue to monitor outlet pipe shape. Currently consistent with previous pics.

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is functioning as intended. Monitor item in regards to the crushed section on the outlet section appears consistent with previous inspection pictures. Plunge at outlet to bottom of plunge pool is currently 80 cm. Surface rust noted on culvert however there does not appear to be any holes in the culvert at this point.
	<b>PEng's Comment:</b>	Culvert is past its design life. Consider replacement during upgrades to road. BH

<b>GENERAL</b>	<b>PEng's Comment:</b>	Culvert is past its design life. Consider replacement during upgrades to road. BH

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 497 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-214	<b>Structure Name:</b>	G5-214	<b>Road Name:</b>	LEO CREEK	<b>Inspection Date:</b>	2023/09/04	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2015	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		64	<b>Design Load GVW (tonnes):</b>		54	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/11/09 09:26:43			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 498 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-215	<b>Structure Name:</b>	G5-215	<b>Road Name:</b>	LEO CREEK	<b>Inspection Date:</b>	2022/10/21
<b>KM:</b>	77.50	<b>User km:</b>	77.50	<b>Crossing Name:</b>	Takatoot Creek	<b>Next Inspection Date:</b>	2025/10/21
<b>Project File ID #:</b>	7671	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Concrete			<b>Running Surface:</b>	Not Available		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Precast	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Precast	
<b>Total Length (metres):</b>	12.0	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	12
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	355999		<b>UTM Northing:</b>	6108809
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1988		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Precast</b>	Good	
<b>Corrosion Protection</b>	Good	creosote sills
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Fair	could upgrade to concrete no posts
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 499 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-215	<b>Structure Name:</b>	G5-215	<b>Road Name:</b>	LEO CREEK	<b>Inspection Date:</b>	2022/10/21
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<b>Road Surface</b>	Good	
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### DECK

#### Span 1

<b>Concrete Deck</b>	Good	
<b>Curb Rail/Blocks/Posts</b>	Poor	damaged - replace
<b>Deck Joints</b>	Fair	Grout does not penetrate full deck depth
<b>Grout Pockets</b>	Good	
<b>Hardware</b>	Fair	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Overall Deck Condition</b>	Good	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	3.0
	<b>Estimated High Water Level Clearance:</b>	2.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	6	Required	Low	\$	Clear approach widenings to approach barriers
7	Required	Low	\$	Install new approach fenders	
8	Required	High		Replace damaged guardrails	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 500 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-215	<b>Structure Name:</b>	G5-215	<b>Road Name:</b>	LEO CREEK	<b>Inspection Date:</b>	2022/10/21
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MONITORS	#	Description				
GENERAL	<b>Inspector's Comment:</b>	Structure requires some guardrail maintenance and would benefit from the installation of new approach barriers. Deck joints were not poured full deck depth. PEng should assess and adjust load rating if required. Would also be good to clear the roadway where it widens out to approach barriers.				
	<b>PEng's Comment:</b>	Non-composite structure. No P.Eng. inspection required. Could be downrated if damaged guardrail is not fixed soon. BH				
GENERAL	<b>Estimated Load Restriction (year):</b>	2033	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 15:52:39		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 501 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-310	<b>Structure Name:</b>	G5-310	<b>Road Name:</b>	PURVIS	<b>Inspection Date:</b>	2022/11/08
<b>KM:</b>	15.70	<b>User km:</b>	415.70	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2025/11/08
<b>Project File ID #:</b>	7671	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,000		<b>Outlet Cover (mm):</b>	1,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	18.0	<b>Opening Height (mm):</b>	2,000	<b>Opening Width (mm):</b>	2,000		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	345434	<b>UTM Northing:</b>	6117625		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	1985			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Fair	Gap in coupler connection
<b>Coating</b>	Fair	surface rust on floor
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Fair	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 502 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-310	<b>Structure Name:</b>	G5-310	<b>Road Name:</b>	PURVIS	<b>Inspection Date:</b>	2022/11/08
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	2.5
	<b>Estimated High Water Level Clearance:</b>	1.6		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	Current plunge is 60 cm from culvert invert to bottom of plunge pool								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. there is minor surface rust on the floor, no pinholes were noted. In regards to the gap in the coupler - water appears to be running through coupler as intended.

<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 503 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-310	<b>Structure Name:</b>	G5-310	<b>Road Name:</b>	PURVIS	<b>Inspection Date:</b>	2022/11/08	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2025	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 16:07:07				

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 504 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-311	<b>Structure Name:</b>	G5-311	<b>Road Name:</b>	PURVIS	<b>Inspection Date:</b>	2022/11/08	
<b>KM:</b>	20.40	<b>User km:</b>	419.80	<b>Crossing Name:</b>	Purvis Creek	<b>Next Inspection Date:</b>	2025/11/08	
<b>Project File ID #:</b>	7671	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Crib, Treated Timber		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Crib, Treated Timber		
<b>Total Length (metres):</b>	8.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	8
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	347767		<b>UTM Northing:</b>	6120836	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1992			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Log/Timber Cribs</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Fair	rounded
<b>Tie-backs</b>	Good	
<b>Wing Wall</b>	Good	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	1	
<b>Delineator Missing Right (approaching structure)</b>	2	
<b>Fender Condition</b>	Poor	should install new approach fenders

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 505 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-311	Structure Name:	G5-311	Road Name:	PURVIS	Inspection Date:	2022/11/08
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Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### DECK

<b>Span 1</b>		
Curb Rail/Blocks/Posts	Fair	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Fair	3 - with broken ends

### SUPERSTRUCTURE

<b>Span 1</b>		
Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Not Applicable	

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.3	Estimated Present Water Level Width:	2.0
	Estimated High Water Level Clearance:	2.0		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 506 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-311	Structure Name:	G5-311	Road Name:	PURVIS	Inspection Date:	2022/11/08
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REPAIRS	#	Status	Priority	Estimate	Description
	9	Required	Low	\$	Replace approach fenders with concrete barriers.
	10	Required	Low	\$ 450.00	Install 2 right and one left delineators
	11	Required	Low	\$	Replace 3 cross ties with damaged ends. 8 x 10 inch ties - 15 ft long
	12	Required	Medium	\$	Repair guardrail end where hit. wooden components ok but will require new 3/4" bolts x 2 with washers nuts
	13	Required	Medium		Replace or repair log cribbing both sides.

MONITORS	#	Description

GENERAL	Inspector's Comment:	Bridge has been damaged due to past guardrail impact. Appears as though guardrail has been repaired however 3 cross tie ends are broken. PEng should asses to load rate and recommend repairs if required. Wooden deck components good otherwise. Approach fenders consist of loose placed 10 x 10's and small logs. Should install new concrete no post barriers. No rot noted in log cribs this inspection.
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GENERAL	PEng's Comment:	Bridge downrated to 5 tonnes due to crib rot as noted in 2019 inspection. No P.Eng. inspection required at this time. Repairs to be done before industrial use. BH
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GENERAL	Estimated Load Restriction (year):		2027	Estimated Replacement (year):		
	Current Inspection Load Rating:	5	Design Load GVW (tonnes):	91	Design Vehicle Config.:	
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/12/09 16:07:56		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 507 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-312	<b>Structure Name:</b>	G5-312	<b>Road Name:</b>	PURVIS	<b>Inspection Date:</b>	2023/09/04	
<b>KM:</b>	22.40	<b>User km:</b>	422.40	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2026/09/04	
<b>Project File ID #:</b>	7671	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Not Available			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Crib, Treated Timber		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Crib, Treated Timber		
<b>Total Length (metres):</b>	14.3	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	14
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	349651		<b>UTM Northing:</b>	6122471	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1992			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Fair	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Fair	
<b>Corrosion Protection</b>	Fair	
<b>Caps or Sills</b>	Fair	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Log/Timber Cribs</b>	Fair	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Fair	
<b>Tie-backs</b>	Fair	
<b>Wing Wall</b>	Fair	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	1	
<b>Delineator Missing Right (approaching structure)</b>	2	
<b>Fender Condition</b>	Fair	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 508 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-312	<b>Structure Name:</b>	G5-312	<b>Road Name:</b>	PURVIS	<b>Inspection Date:</b>	2023/09/04
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<b>Posted Load Rating (Enter 0 if sign missing)</b>	5
<b>Road Surface</b>	Good

### DECK

<b>Span 1</b>	
<b>Curb Rail/Blocks/Posts</b>	Fair
<b>Deck to Girder Bolts</b>	Good
<b>Hardware</b>	Fair
<b>Hand Rails/Walkouts</b>	Not Applicable
<b>Nails</b>	Fair
<b>Overall Deck Condition</b>	Fair
<b>Running Planks</b>	Fair
<b>Sub Deck</b>	Fair
<b>Ties</b>	Fair

### SUPERSTRUCTURE

<b>Span 1</b>	
<b>Bracing</b>	Good
<b>Diaphragms</b>	Good
<b>Girders</b>	Good
<b>Hardware</b>	Not Applicable
<b>Under Trussing</b>	Not Applicable

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.4	<b>Estimated Present Water Level Width:</b>	4.0
	<b>Estimated High Water Level Clearance:</b>	3.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	12	Required	Low	\$ 750.00	Add one right and two left delineators
	13	Required	Medium	\$	Replace structure.

### Corporate Bridge Register (CBR)

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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 509 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-312	<b>Structure Name:</b>	G5-312	<b>Road Name:</b>	PURVIS	<b>Inspection Date:</b>	2023/09/04
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	5 T load rating signs have been added to site. Bench Marks noted at sign so structure has likely been surveyed and plan in place to upgrade crossing. OK got light traffic in the meantime. Partial beaver dam currently in place and substantial scour to banks upstream likely caused by beaver activity.				
	<b>PEng's Comment:</b>	Keep at 5 tonnes. Replacement of bridge is scheduled for 2024.				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2019	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	5	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/10/30 12:36:17		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 510 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-320	<b>Structure Name:</b>	G5-320	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08	
<b>KM:</b>	0.80	<b>User km:</b>	900.80	<b>Crossing Name:</b>	Middle River	<b>Next Inspection Date:</b>	2025/07/10	
<b>Project File ID #:</b>	7671	<b>Br.</b>	03	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials		
<b>Total Length (metres):</b>	147.	<b># Spans:</b>	7	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	21, 21, 21, 21, 21, 21,
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	340262		<b>UTM Northing:</b>	6103770	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1988			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Fair	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 511 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G5-320 Structure Name: G5-320 Road Name: SAKENICHE Inspection Date: 2022/11/08

### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

#### Span 2

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

#### Span 3

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Fair	No handrailing on walkout
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 512 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-320	Structure Name:	G5-320	Road Name:	SAKENICHE	Inspection Date:	2022/11/08
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Span 4		
Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	
Span 5		
Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Fair	no handrail on walkout
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	
Span 6		
Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	
Span 7		
Curb Rail/Blocks/Posts	Good	

**Corporate Bridge Register (CBR)**

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 513 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-320	<b>Structure Name:</b>	G5-320	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08
<b>Deck to Girder Bolts</b>	Good						
<b>Hardware</b>	Good						
<b>Hand Rails/Walkouts</b>	Not Applicable						
<b>Nails</b>	Good						
<b>Overall Deck Condition</b>	Good						
<b>Running Planks</b>	Good						
<b>Sub Deck</b>	Good						
<b>Ties</b>	Good						
<b>PIERS</b>							
<b>Pier 1</b>							
<b>Bearings</b>	Good						
<b>Bracing or Sheathing</b>	Good						
<b>Caps</b>	Good						
<b>Cribs</b>	Not Applicable						
<b>Dolphins</b>	Not Applicable						
<b>Hardware</b>	Good						
<b>Overall</b>	Good						
<b>Piles or Posts</b>	Good						
<b>Riprap</b>	Not Applicable						
<b>Wall</b>	Not Applicable						
<b>Pier 2</b>							
<b>Bearings</b>	Good						
<b>Bracing or Sheathing</b>	Good						
<b>Caps</b>	Good						
<b>Cribs</b>	Not Applicable						
<b>Dolphins</b>	Not Applicable						
<b>Hardware</b>	Good						
<b>Overall</b>	Good						
<b>Piles or Posts</b>	Fair						
<b>Riprap</b>	Not Applicable						
<b>Wall</b>	Not Applicable						

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 514 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-320	<b>Structure Name:</b>	G5-320	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08
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Pier 3		
Bearings	Good	
Bracing or Sheathing	Good	
Caps	Good	
Cribs	Not Applicable	
Dolphins	Not Applicable	
Hardware	Good	
Overall	Good	
Piles or Posts	Good	
Riprap	Not Applicable	
Wall	Not Applicable	
Pier 4		
Bearings	Good	
Bracing or Sheathing	Good	
Caps	Good	
Cribs	Not Applicable	
Dolphins	Not Applicable	
Hardware	Good	
Overall	Good	
Piles or Posts	Good	
Riprap	Not Applicable	
Wall	Not Applicable	
Pier 5		
Bearings	Good	
Bracing or Sheathing	Good	
Caps	Good	
Cribs	Not Applicable	
Dolphins	Not Applicable	
Hardware	Good	
Overall	Good	
Piles or Posts	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 515 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-320	<b>Structure Name:</b>	G5-320	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08
<b>Riprap</b>	Not Applicable						
<b>Wall</b>	Not Applicable						
<b>Pier 6</b>							
<b>Bearings</b>	Good						
<b>Bracing or Sheathing</b>	Good						
<b>Caps</b>	Good						
<b>Cribs</b>	Not Applicable						
<b>Dolphins</b>	Not Applicable						
<b>Hardware</b>	Good						
<b>Overall</b>	Good						
<b>Piles or Posts</b>	Good						
<b>Riprap</b>	Good						
<b>Wall</b>	Not Applicable						
<b>SUPERSTRUCTURE</b>							
<b>Span 1</b>							
<b>Bracing</b>	Good						
<b>Diaphragms</b>	Good						
<b>Girders</b>	Good						
<b>Hardware</b>	Good						
<b>Under Trussing</b>	Not Applicable						
<b>Span 2</b>							
<b>Bracing</b>	Good						
<b>Diaphragms</b>	Good						
<b>Girders</b>	Good						
<b>Hardware</b>	Good						
<b>Under Trussing</b>	Not Applicable						
<b>Span 3</b>							
<b>Bracing</b>	Good						
<b>Diaphragms</b>	Good						
<b>Girders</b>	Good						
<b>Hardware</b>	Good						

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 516 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR/WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-320	<b>Structure Name:</b>	G5-320	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08
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<b>Under Trussing</b>	Not Applicable	
<b>Span 4</b>		
<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	
<b>Span 5</b>		
<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	
<b>Span 6</b>		
<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	
<b>Span 7</b>		
<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	1.5	<b>Estimated Present Water Level Width:</b>	60.0
	<b>Estimated High Water Level Clearance:</b>	3.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

**Corporate Bridge Register (CBR)**

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 517 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-320	<b>Structure Name:</b>	G5-320	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08
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REPAIRS	#	Status	Priority	Estimate	Description
	6	Required	Medium	\$	Either add handrails or remove walkouts
7	Required	High		Add bridge ahead and load rating signs.	

MONITORS	#	Description

GENERAL	<b>Inspector's Comment:</b>	Structure is in good shape overall. Walkouts do not have handrails however. Should be added or walkouts blocked / decommissioned.
	<b>PEng's Comment:</b>	Planned close proximity inspection in 2025. Remove walkouts. BH

GENERAL	<b>Estimated Load Restriction (year):</b>	2028	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91
	<b>Design Vehicle Config.:</b>	L100		

<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 16:11:40
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 518 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-321	<b>Structure Name:</b>	G5-321	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08
<b>KM:</b>	2.00	<b>User km:</b>	902.00	<b>Crossing Name:</b>	Gluskie Creek	<b>Next Inspection Date:</b>	2025/11/08
<b>Project File ID #:</b>	7671	<b>Br.</b>	03	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Crib, Treated Timber	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Crib, Treated Timber	
<b>Total Length (metres):</b>	15.7	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b> 15
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	339435		<b>UTM Northing:</b>	6103608
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	1992			
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Log/Timber Cribs</b>	Good	N/A
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Fair	
<b>Tie-backs</b>	Good	
<b>Wing Wall</b>	Good	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 519 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-321	Structure Name:	G5-321	Road Name:	SAKENICHE	Inspection Date:	2022/11/08
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Posted Load Rating (Enter 0 if sign missing)	63.5	
Road Surface	Good	

### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	3.0
	Estimated High Water Level Clearance:	1.8		

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

REPAIRS	#	Status	Priority	Estimate	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 520 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-321	<b>Structure Name:</b>	G5-321	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08
----------------	--------	------------------------	--------	-------------------	-----------	-------------------------	------------

<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in very good shape overall. No repairs or monitoring required at this point.				
	<b>PEng's Comment:</b>	Repairs completed to deck and guardrails. Load rating returned to 91 tonnes. Post load rating signs. BH				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2025	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/12 08:19:48		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 521 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-322	<b>Structure Name:</b>	G5-322	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08
<b>KM:</b>	6.50	<b>User km:</b>	906.50	<b>Crossing Name:</b>	Bivouac Creek	<b>Next Inspection Date:</b>	2025/11/08
<b>Project File ID #:</b>	7671	<b>Br.</b>	03	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Not Available		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Crib, Treated Timber	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Crib, Treated Timber	
<b>Total Length (metres):</b>	12.0	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	12
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	335575		<b>UTM Northing:</b>	6105574
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	1981			
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Log/Timber Cribs</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Tie-backs</b>	Good	
<b>Wing Wall</b>	Good	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 522 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-322	Structure Name:	G5-322	Road Name:	SAKENICHE	Inspection Date:	2022/11/08
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Posted Load Rating (Enter 0 if sign missing)	0
Road Surface	Good

### DECK

<b>Span 1</b>	
Curb Rail/Blocks/Posts	Good
Deck to Girder Bolts	Good
Hardware	Good
Hand Rails/Walkouts	Not Applicable
Nails	Good
Overall Deck Condition	Good
Running Planks	Good
Sub Deck	Good
Ties	Good

### SUPERSTRUCTURE

<b>Span 1</b>	
Bracing	Good
Diaphragms	Good
Girders	Good
Hardware	Good
Under Trussing	Not Applicable

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	3.0
	Estimated High Water Level Clearance:	3.0		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 523 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-322	<b>Structure Name:</b>	G5-322	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08
----------------	--------	------------------------	--------	-------------------	-----------	-------------------------	------------

<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in good shape overall. No repairs or monitor items recommended at this point.				
	<b>PEng's Comment:</b>	New rails installed. No concerns. BH				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2025	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/12 08:24:28		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 524 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-323	Structure Name:	G5-323	Road Name:	SAKENICHE	Inspection Date:	2022/11/08
KM:	16.70	User km:	916.70	Crossing Name:	Hobo Creek	Next Inspection Date:	2024/11/08
Project File ID #:	7671	Br.	03	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Crib, Log or Untreated Timber	
Superstructure:	Steel I-beam				Right	Crib, Log or Untreated Timber	
Total Length (metres):	9.0	# Spans:	1	Span Width:			Span Length(s) (metres): 9
UTM Zone:	10		UTM Easting:	327325		UTM Northing:	6111945
Inspector Name:	John Brett			Year Superstructure Installed:	1979		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Good	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Log/Timber Cribs	Good	
Piles or Posts	Not Applicable	
Riprap	Fair	
Tie-backs	Fair	
Wing Wall	Good	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 525 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-323	Structure Name:	G5-323	Road Name:	SAKENICHE	Inspection Date:	2022/11/08
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Posted Load Rating (Enter 0 if sign missing)	0
Road Surface	Good

### DECK

Span 1	
Concrete Deck	Good
Curb Rail/Blocks/Posts	Good
Deck Joints	Good
Grout Pockets	Good
Hardware	Good
Hand Rails/Walkouts	Not Applicable
Overall Deck Condition	Good

### SUPERSTRUCTURE

Span 1	
Bracing	Good
Diaphragms	Good
Girders	Good
Hardware	Good
Under Trussing	Not Applicable

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	2.5
	Estimated High Water Level Clearance:	2.5		

HAZARDS	High Water:	No	Scour:	Yes	Ice:	No	Debris:	No	Aggradation:	No
	Comment:	Not much riprap installed at site.								

REPAIRS	#	Status	Priority	Estimate	Description

MONITORS	#	Description
	1	Not much riprap at site. Monitor lower crib corners for erosion. Ok during this inspection, see photos

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 526 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-323	<b>Structure Name:</b>	G5-323	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in good shape overall. Monitor item added due to minimal amount of riprap installed. Monitor lower corners of cribs for erosion.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Looks good. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2029		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/12 08:27:52			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 527 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-324	Structure Name:	G5-324	Road Name:	SAKENICHE	Inspection Date:	2022/11/08
KM:	22.40	User km:	922.40	Crossing Name:	Sakeniche River	Next Inspection Date:	2025/11/08
Project File ID #:	7671	Br.	03	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Treated			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Crib, Treated Timber	
Superstructure:	Steel Truss/Bailey/Acrow				Right	Binwall	
Total Length (metres):	31.0	# Spans:	1	Span Width:			Span Length(s) (metres): 31
UTM Zone:	10		UTM Easting:	322622		UTM Northing:	6114064
Inspector Name:	John Brett			Year Superstructure Installed:	1974		
Access:							

### ABUTMENTS

Bearings	Good	
Binwall	Good	
Bracing	Not Applicable	
Ballast Wall	Fair	
Corrosion Protection	Fair	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Log/Timber Cribs	Fair	
Piles or Posts	Not Applicable	
Riprap	Poor	not much around left bank crib. Encroaches on high water flow.
Tie-backs	Fair	
Wing Wall	Fair	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 528 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-324	Structure Name:	G5-324	Road Name:	SAKENICHE	Inspection Date:	2022/11/08
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Fender Condition	Fair	
Posted Load Rating (Enter 0 if sign missing)	5	
Road Surface	Fair	

### DECK

#### Span 1

Curb Rail/Blocks/Posts	Unrated	N/A
Deck to Girder Bolts	Good	
Hardware	Not Applicable	
Hand Rails/Walkouts	Not Applicable	
Nails	Fair	
Overall Deck Condition	Fair	
Running Planks	Fair	
Sub Deck	Fair	
Ties	Fair	

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	surface rust
Hardware	Good	
Under Trussing	Not Applicable	

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	6.0
	Estimated High Water Level Clearance:	2.3		

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

REPAIRS	#	Status	Priority	Estimate	Description
	10	Required	Low	\$	Replace structure if required beyond light traffic.

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 529 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-324	<b>Structure Name:</b>	G5-324	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure should undergo a professional inspection if required for more than pickup access. Left Bank crib has been scoured and potentially settled. Has been posted with a 5 t rating. Structure will likely require a full rebuild or replacement for industrial traffic.				
	<b>PEng's Comment:</b>	Very old Bailey truss. Remain at 5 tonne rating. Requires P.Eng. certification before industrial use. Structure is beyond its design life. BH				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2020	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	5	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/12 08:29:34		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 530 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-325	Structure Name:	G5-325	Road Name:	SAKENICHE	Inspection Date:	2022/11/08
KM:	24.20	User km:	924.20	Crossing Name:	Mule Chute Creek	Next Inspection Date:	2025/11/08
Project File ID #:	7671	Br.	03	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials	
Superstructure:	Steel I-beam				Right	Pile -Permanent Materials	
Total Length (metres):	12.0	# Spans:	1	Span Width:			Span Length(s) (metres): 12
UTM Zone:	10		UTM Easting:	321358		UTM Northing:	6113156
Inspector Name:	John Brett			Year Superstructure Installed:	1991		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Good	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Fair	Not much riprap installed at site
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	1	
Delineator Missing Right (approaching structure)	1	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	5	
Road Surface	Fair	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 531 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G5-325 Structure Name: G5-325 Road Name: SAKENICHE Inspection Date: 2022/11/08

### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	rotten
Deck Joints	Fair	minimal grout penetration
Grout Pockets	Good	
Hardware	Poor	replace
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Fair	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.5	Estimated Present Water Level Width:	2.5
Estimated High Water Level Clearance:	2.2		

### HAZARDS

High Water:	No	Scour:	Yes	Ice:	No	Debris:	No	Aggradation:	No
Comment:	Minimal riprap installed at site								

### REPAIRS

#	Status	Priority	Estimate	Description
6	Required	High	\$	Replace Guardrails

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 532 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-325	<b>Structure Name:</b>	G5-325	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure could use guardrails even for light traffic. They are completely rotten and there are open gaps in the guardrail. Also there is minimal grout penetration on deck joints. Bank monitor item appears to be consistent with previous inspection. There is little riprap but no sign of substantial scour this inspection. Recommend PEng assessment if required for heavier traffic.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Bridge could be downrated to 0 and closed at time if repairs are not completed. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2031	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	5	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/12 08:31:49			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 533 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-326	<b>Structure Name:</b>	G5-326	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08
<b>KM:</b>	43.60	<b>User km:</b>	943.60	<b>Crossing Name:</b>	McDougall Creek	<b>Next Inspection Date:</b>	2025/11/08
<b>Project File ID #:</b>	7671	<b>Br.</b>	03	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,440		<b>Outlet Cover (mm):</b>	1,440			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	23.0	<b>Opening Height (mm):</b>	2,400	<b>Opening Width (mm):</b>	2,400		
<b>UTM Zone:</b>	9	<b>UTM Easting:</b>	497285	<b>UTM Northing:</b>	6116013		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	1992			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	surface rust on floor
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 534 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-326	<b>Structure Name:</b>	G5-326	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Good						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	1.2
	<b>Estimated High Water Level Clearance:</b>	1.1		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in very good shape overall, no substantial issues noted during the inspection

<b>GENERAL</b>	<b>PEng's Comment:</b>	No concern. BH

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 535 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-326	<b>Structure Name:</b>	G5-326	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2032	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/12 08:33:36			

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 536 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-327	<b>Structure Name:</b>	G5-327	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08
<b>KM:</b>	58.00	<b>User km:</b>	957.90	<b>Crossing Name:</b>	Rabbits Foot Creek	<b>Next Inspection Date:</b>	2025/11/08
<b>Project File ID #:</b>	7671	<b>Br.</b>	03	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,050		<b>Outlet Cover (mm):</b>	1,050			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	20.0	<b>Opening Height (mm):</b>	2,000	<b>Opening Width (mm):</b>	2,000		
<b>UTM Zone:</b>	9	<b>UTM Easting:</b>	494950	<b>UTM Northing:</b>	6127820		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	1990			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Fair	middle section slightly squished allowing material to escape through coupler voids
<b>Coating</b>	Good	surface rust on floor
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 537 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-327	<b>Structure Name:</b>	G5-327	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Fair						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Fair	middle section of pipe squished					
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	1.2
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

<b>MONITORS</b>	#	Description
	3	Culvert separation. Middle culvert section shape where fill is raveling slightly through the couplings, see photos

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. There is a slight opening at the coupler where the two sections are not coupled entirely, it appears as though a minor amount of gravel fill leaks through here. this is caused by the middle section of pipe being somewhat compressed (shorter than wide - see pics). Culvert plunge is currently 70cm from outlet invert to bottom of plunge pool.
	<b>PEng's Comment:</b>	

<b>GENERAL</b>	<b>PEng's Comment:</b>	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 538 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-327	<b>Structure Name:</b>	G5-327	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b> L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/12/12 08:42:54		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 539 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-328	<b>Structure Name:</b>	G5-328	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08
<b>KM:</b>	61.80	<b>User km:</b>	961.80	<b>Crossing Name:</b>	Sinta Creek	<b>Next Inspection Date:</b>	2025/11/08
<b>Project File ID #:</b>	7671	<b>Br.</b>	03	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Concrete			<b>Running Surface:</b>	Not Available		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials	
<b>Total Length (metres):</b>	15.0	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	15
<b>UTM Zone:</b>	9		<b>UTM Easting:</b>	684393	<b>UTM Northing:</b>	6135211	
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	1991			
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 540 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G5-328 Structure Name: G5-328 Road Name: SAKENICHE Inspection Date: 2022/11/08

### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	one rail impacted at end of bridge
Deck Joints	Good	paraseal gone between ballast wall and A panel
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	3.5
Estimated High Water Level Clearance:	2.3		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
8	Required	Low	\$	Install one corner of approach fenders
9	Required	Medium	\$	Replace end section of guardrail. Will require one piece of 10x10 x 15 ft long.

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 541 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-328	<b>Structure Name:</b>	G5-328	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall. Issues noted with guardrail, paraseal joint and approach fenders. Fender missing on one corner of bridge. Paraseal is missing between ballast walls and A panels. There is one damaged section of Guardrail that will require a 15 ft section of 10x10 to fix.					
<b>GENERAL</b>	<b>PEng's Comment:</b>						
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2031	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/12 08:56:59			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 542 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-329	<b>Structure Name:</b>	G5-329	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08
<b>KM:</b>	65.30	<b>User km:</b>	965.30	<b>Crossing Name:</b>	Tim Creek	<b>Next Inspection Date:</b>	2025/11/08
<b>Project File ID #:</b>	7671	<b>Br.</b>	03	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials	
<b>Total Length (metres):</b>	18.0	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	18
<b>UTM Zone:</b>	9		<b>UTM Easting:</b>	493989	<b>UTM Northing:</b>	6134063	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1992		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	2	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 543 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-329	Structure Name:	G5-329	Road Name:	SAKENICHE	Inspection Date:	2022/11/08
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Fair	some damaged, some loose
Deck to Girder Bolts	Good	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Nails	Fair	
Overall Deck Condition	Fair	
Running Planks	Fair	
Sub Deck	Fair	
Ties	Poor	rotten, checked ends

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	2.0
Estimated High Water Level Clearance:	3.5		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
10	Required	High	\$	Replace entire deck system, cross ties, sub deck, wear deck and guardrails.
11	Required	Low	\$ 600.00	Install delineators
12	Required	Medium	\$	Install approach fenders
13	Required	Medium		Install missing bolts on left side diaphragm

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 544 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-329	<b>Structure Name:</b>	G5-329	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	This structure has issues with the wooden deck. There is a substantial amount of rot from the cross ties up (including ties) The deck of this structure requires immediate replacement including guardrails. Site would also benefit from the installation of approach fenders.				
	<b>PEng's Comment:</b>	Address repair items. Check for missing diaphragm bolts. BH				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2032	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/12 09:03:16		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 545 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-330	<b>Structure Name:</b>	G5-330	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/08
<b>KM:</b>	66.00	<b>User km:</b>	966.60	<b>Crossing Name:</b>	Dust Creek	<b>Next Inspection Date:</b>	2025/11/08
<b>Project File ID #:</b>	7671	<b>Br.</b>	03	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials	
<b>Total Length (metres):</b>	18.0	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	18
<b>UTM Zone:</b>	9		<b>UTM Easting:</b>	494016		<b>UTM Northing:</b>	6136057
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	1992			
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Good	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	1	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 546 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-330	Structure Name:	G5-330	Road Name:	SAKENICHE	Inspection Date:	2022/11/08
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Fair	some rail damage, some rot
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Fair	
Overall Deck Condition	Fair	
Running Planks	Fair	
Sub Deck	Fair	
Ties	Fair	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.3	Estimated Present Water Level Width:	6.0
Estimated High Water Level Clearance:	2.3		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
8	Required	Medium		Replace deck cross ties up
9	Required	High		Add load rating signs both sides.
10	Required	Medium		Install new fenders both sides.

### Corporate Bridge Register (CBR)

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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 547 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-330	Structure Name:	G5-330	Road Name:	SAKENICHE	Inspection Date:	2022/11/08
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall. Decking however is reaching the end of its life. If required for continuous heavy loading then should replace deck, cross ties up. PEng should assess for traffic allowance and load rating if not replacing deck. Should install approach fenders.				
<b>GENERAL</b>	<b>PEng's Comment:</b>	Consider replacing deck mods soon. BH				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2032	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	68	<b>Design Load GVW (tonnes):</b>	68	<b>Design Vehicle Config.:</b>	L75
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/12 09:08:19		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 548 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-331	<b>Structure Name:</b>	G5-331	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/09
<b>KM:</b>	73.00	<b>User km:</b>	967.40	<b>Crossing Name:</b>	Beaverdale Creek	<b>Next Inspection Date:</b>	2025/11/09
<b>Project File ID #:</b>	7671	<b>Br.</b>	03	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials	
<b>Superstructure:</b>	Steel Box Beam				<b>Right</b>	Pile -Permanent Materials	
<b>Total Length (metres):</b>	9.0	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	9
<b>UTM Zone:</b>	9		<b>UTM Easting:</b>	683959	<b>UTM Northing:</b>	6139139	
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	1991			
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Fair	not much
<b>Wing Wall</b>	Good	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	2	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 549 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-331	Structure Name:	G5-331	Road Name:	SAKENICHE	Inspection Date:	2022/11/09
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.3	Estimated Present Water Level Width:	6.0
Estimated High Water Level Clearance:	1.4		

### HAZARDS

High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
Comment:	Beaver Dam in place just upstream of structure								

### REPAIRS

#	Status	Priority	Estimate	Description
6	Required	Low	\$ 600.00	Install 4 delineators
7	Required	Low	\$	Install approach fenders
8	Required	High		Add load rating signs both sides

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 550 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-331	<b>Structure Name:</b>	G5-331	<b>Road Name:</b>	SAKENICHE	<b>Inspection Date:</b>	2022/11/09
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall. Currently there is a beaver dam just upstream of the structure however it does not impede the end area of the bridge. Some fill is ravelling from behind the wingwall corner on the Right Bank abutment, see pic. Some piles deflected but ok. Wooden post monitor is unclear on what is actually being monitored. Other monitors appear to be outdated, approach and deck holes as well as cross ties. Can likely be removed.				
	<b>PEng's Comment:</b>	Deck was replaced. No other concerns. BH				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2031	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	68	<b>Design Load GVW (tonnes):</b>	68	<b>Design Vehicle Config.:</b>	L75
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/08 07:54:00		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 551 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-291	<b>Structure Name:</b>	G5-291	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2019/10/18
<b>KM:</b>	5.60	<b>User km:</b>	5.60	<b>Crossing Name:</b>	unnamed	<b>Next Inspection Date:</b>	2021/10/18
<b>Project File ID #:</b>	7671	<b>Br.</b>	05	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Not Available		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Sill -Temporary Materials	
<b>Superstructure:</b>	Rail Car				<b>Right</b>	Sill -Temporary Materials	
<b>Total Length (metres):</b>	16.1	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	16.1
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	341650	<b>UTM Northing:</b>	6078778	
<b>Inspector Name:</b>	Dawson SMITH			<b>Year Superstructure Installed:</b>			
<b>Access:</b>	FORT ST. JAMES FOREST PRODUCTS GENERAL PARTNER LTD. R01565.CG FSR Retired in 2021						

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Excellent	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	2	
<b>Fender Condition</b>	Poor	MISSING OR ROTTEN
<b>Road Surface</b>	Good	

### DECK

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 552 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b> G5-291	<b>Structure Name:</b> G5-291	<b>Road Name:</b> LEO AUSTIN	<b>Inspection Date:</b> 2019/10/18
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### Span 1

<b>Curb Rail/Blocks/Posts</b>	Good	
<b>Deck to Girder Bolts</b>	Poor	NOT ATTACHED
<b>Hardware</b>	Not Applicable	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Fair	
<b>Running Planks</b>	Good	
<b>Sub Deck</b>	Good	
<b>Ties</b>	Good	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Hardware</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.5	<b>Estimated Present Water Level Width:</b>	3.0
	<b>Estimated High Water Level Clearance:</b>	3.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	1	Required	Medium	\$	INSTALL FENDERS
2	Required	Medium	\$ 250.00	INSTALL DELINEATORS	

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	DOES NOT APPEAR TO BE SITTING CENTERED ON ABUTMENTS OR ATTACHED, NEEDS DELINEATORS, BRIDGE IS AT 25.5 ON THE AUSTIN FSR
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### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 553 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-291	<b>Structure Name:</b>	G5-291	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2019/10/18
<b>GENERAL</b>	<b>PEng's Comment:</b>	Will do a field trip this year and determine if bridge should be further down-rated.					
	<b>Estimated Load Restriction (year):</b>	2020		<b>Estimated Replacement (year):</b>			
<b>GENERAL</b>	<b>Current Inspection Load Rating:</b>	30	<b>Design Load GVW (tonnes):</b>			<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jason Olmsted on 2020/03/06 15:11:34			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 554 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-289	Structure Name:	G5-289-2	Road Name:	LEO AUSTIN	Inspection Date:	2023/09/03
KM:	40.20	User km:	31.90	Crossing Name:	Sydney Creek #2	Next Inspection Date:	2026/09/03
Project File ID #:	7671	Br.	05	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	1,000			Outlet Cover (mm):	1,400		
Footing Type:				Gradient (%):	4.0		
Culvert Length (metres):	20.0	Opening Height (mm):	2,700	Opening Width (mm):	2,700		
UTM Zone:	10	UTM Easting:	346371	UTM Northing:	6081639		
Inspector Name:	John Brett			Year Superstructure Installed:	1993		
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Not Applicable	
Coupled Connections	Good	
Coating	Good	
Embedment Materials	Not Applicable	
Fill	Good	
Floor	Good	
Footing	Not Applicable	
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 555 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-289	<b>Structure Name:</b>	G5-289-2	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2023/09/03
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Fair	some damage / dents at outlet					
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	1.5	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	1.7		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. This culvert sees less flow during low water conditions. This culvert is the left bank .culvert Minor vegetation growing at inlet but not posing a problem at this point.
	<b>PEng's Comment:</b>	Good. BH

<b>GENERAL</b>	<b>PEng's Comment:</b>	Good. BH
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### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 556 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-289	<b>Structure Name:</b>	G5-289-2	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2023/09/03
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2031	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/11/08 15:21:44		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 557 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-289	Structure Name:	G5-289	Road Name:	LEO AUSTIN	Inspection Date:	2023/09/03
KM:	40.20	User km:	31.90	Crossing Name:	Sydney Creek #2	Next Inspection Date:	2026/09/03
Project File ID #:	7671	Br.	05	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	1,400			Outlet Cover (mm):	1,500		
Footing Type:				Gradient (%):	4.0		
Culvert Length (metres):	20.0	Opening Height (mm):	2,700	Opening Width (mm):	2,700		
UTM Zone:	10	UTM Easting:	346371	UTM Northing:	6081639		
Inspector Name:	John Brett			Year Superstructure Installed:	1993		
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Not Applicable	
Coupled Connections	Good	
Coating	Good	
Embedment Materials	Not Applicable	
Fill	Good	
Floor	Good	
Footing	Not Applicable	
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 558 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-289	<b>Structure Name:</b>	G5-289	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2023/09/03
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	1.7		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. This inspection is for the right bank culvert

<b>GENERAL</b>	<b>PEng's Comment:</b>	Good. BH

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 559 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-289	<b>Structure Name:</b>	G5-289	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2023/09/03
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2033	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/11/08 15:19:54		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 560 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-287	<b>Structure Name:</b>	G5-287	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2023/09/03
<b>KM:</b>	36.70	<b>User km:</b>	34.70	<b>Crossing Name:</b>	Upper Baptiste Creek	<b>Next Inspection Date:</b>	2026/09/03
<b>Project File ID #:</b>	7671	<b>Br.</b>	05	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	3,500			<b>Outlet Cover (mm):</b>	3,600		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	35.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	350380	<b>UTM Northing:</b>	6082286		
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1991		
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Fair	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Fair	
<b>Coating</b>	Poor	floor rustged with holes forming
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Fair	
<b>Floor</b>	Poor	rust and holes in culvert floor
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 561 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-287	<b>Structure Name:</b>	G5-287	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2023/09/03
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Fair						
<b>Riprap</b>	Good						
<b>Roof</b>	Fair						
<b>Side Walls</b>	Fair		Sag in roof				
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.3	<b>Estimated Present Water Level Width:</b>	5.0
	<b>Estimated High Water Level Clearance:</b>	0.7		

<b>HAZARDS</b>	<b>High Water:</b>	Yes	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	This culvert has some issues. The road shoulder is collapsing in spots and the floor of the culvert has several small holes throughout the pipe and is quite rusted below the water line. PEng should assess to determine if culvert requires replacement and gauge environmental risk moving forward. Minor beaver dam noted at outlet. Not an issue at the moment.
	<b>PEng's Comment:</b>	P.Eng inspection for 2024 to look at road slumping and condition of culvert. BH

<b>GENERAL</b>	<b>Inspector's Comment:</b>	This culvert has some issues. The road shoulder is collapsing in spots and the floor of the culvert has several small holes throughout the pipe and is quite rusted below the water line. PEng should assess to determine if culvert requires replacement and gauge environmental risk moving forward. Minor beaver dam noted at outlet. Not an issue at the moment.
	<b>PEng's Comment:</b>	P.Eng inspection for 2024 to look at road slumping and condition of culvert. BH

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 562 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-287	<b>Structure Name:</b>	G5-287	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2023/09/03	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2031	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	Yes	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/16 15:03:24				

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 563 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-280	<b>Structure Name:</b>	G5-280	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2022/11/08
<b>KM:</b>	3.50	<b>User km:</b>	703.50	<b>Crossing Name:</b>	Forfar Creek	<b>Next Inspection Date:</b>	2024/11/08
<b>Project File ID #:</b>	7671	<b>Br.</b>	05	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Crib, Log or Untreated Timber	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Crib, Log or Untreated Timber	
<b>Total Length (metres):</b>	15.0	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	15
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	342035		<b>UTM Northing:</b>	6101130
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1980		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Log/Timber Cribs</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Not Applicable	
<b>Tie-backs</b>	Good	
<b>Wing Wall</b>	Good	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	1	
<b>Fender Condition</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 564 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-280	Structure Name:	G5-280	Road Name:	LEO AUSTIN	Inspection Date:	2022/11/08
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Posted Load Rating (Enter 0 if sign missing)	0
Road Surface	Good

### DECK

<b>Span 1</b>	
Curb Rail/Blocks/Posts	Good
Deck to Girder Bolts	Good
Hardware	Good
Hand Rails/Walkouts	Not Applicable
Nails	Good
Overall Deck Condition	Good
Running Planks	Good
Sub Deck	Good
Ties	Good

### SUPERSTRUCTURE

<b>Span 1</b>	
Bracing	Good
Diaphragms	Good
Girders	Good
Hardware	Good
Under Trussing	Not Applicable

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	5.0
	Estimated High Water Level Clearance:	3.0		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	15	Required	Low		Install all delineators

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 565 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-280	Structure Name:	G5-280	Road Name:	LEO AUSTIN	Inspection Date:	2022/11/08
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	Structure is in good shape overall. In regards to the abutment rot monitor item - no rot noted in abutments this inspection.				
<b>GENERAL</b>	PEng's Comment:	Abutments appear to be treated. Good overall shape. BH				
<b>GENERAL</b>	Estimated Load Restriction (year):	2030	Estimated Replacement (year):			
	Current Inspection Load Rating:	90	Design Load GVW (tonnes):	90	Design Vehicle Config.:	
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/12/09 16:06:03		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 566 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-293	Structure Name:	G4-929	Road Name:	LEO AUSTIN	Inspection Date:	2013/08/29
KM:	7.00	User km:	707.00	Crossing Name:	Unnamed	Next Inspection Date:	2024/01/01
Project File ID #:	7671	Br.	05	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Treated - Panels			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Sill -Temporary Materials	
Superstructure:	Steel I-beam				Right	Sill -Temporary Materials	
Total Length (metres):	15.2	# Spans:	1	Span Width:			Span Length(s) (metres): 15.2
UTM Zone:	10		UTM Easting:	344166		UTM Northing:	6099146
Inspector Name:	Warren Wilkinson			Year Superstructure Installed:	2018		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	un-pealed spruce logs
Corrosion Protection	Not Applicable	
Caps or Sills	Good	left pealed fir log, right un-pealed fir log
Fill	Good	
Hardware	Not Applicable	
Piles or Posts	Not Applicable	
Riprap	Not Applicable	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	left off sharp corner
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Road Surface	Good	

### DECK

#### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 567 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b> G5-293	<b>Structure Name:</b> G4-929	<b>Road Name:</b> LEO AUSTIN	<b>Inspection Date:</b> 2013/08/29
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### Span 1

<b>Curb Rail/Blocks/Posts</b>	Fair	one upstream one downstream with rot
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Good	
<b>Running Planks</b>	Fair	several have rot the rest are sound
<b>Sub Deck</b>	Fair	several have rot the rest are sound
<b>Ties</b>	Good	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.5	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	2.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	very slow stream								

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	1	Required	High	\$	replace rotting deck boards and post and curbs

<b>MONITORS</b>	#	Description

### Corporate Bridge Register (CBR)

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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 568 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-293	<b>Structure Name:</b>	G4-929	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2013/08/29	
<b>GENERAL</b>	Inspector's Comment:							
<b>GENERAL</b>	PEng's Comment:							
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2067	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b> Accepted By Jason Olmsted on 2014/04/16 10:51:20					

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 569 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-281	<b>Structure Name:</b>	G5-281	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2023/09/03
<b>KM:</b>	10.60	<b>User km:</b>	710.60	<b>Crossing Name:</b>	O'Ne-ell Creek	<b>Next Inspection Date:</b>	2026/09/03
<b>Project File ID #:</b>	7671	<b>Br.</b>	05	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Concrete			<b>Running Surface:</b>	Not Available		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Binwall	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Binwall	
<b>Total Length (metres):</b>	16.8	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b> 16.8
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	346426		<b>UTM Northing:</b>	6096689
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1981		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Binwall</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	1	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	1	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 570 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-281	<b>Structure Name:</b>	G5-281	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2023/09/03
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<b>Road Surface</b>	Good	
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### DECK

#### Span 1

<b>Concrete Deck</b>	Good	
<b>Curb Rail/Blocks/Posts</b>	Good	
<b>Deck Joints</b>	Good	A panel to ballast wall grouted - should be paraseal
<b>Grout Pockets</b>	Good	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Overall Deck Condition</b>	Good	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	5.0
	<b>Estimated High Water Level Clearance:</b>	2.8		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
		12	Required	Medium	\$
	13	Required	Low	\$	Install one bridge ahead sign
	14	Required	Low	\$ 750.00	Install 2 left and 1 right delineators

### Corporate Bridge Register (CBR)

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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 571 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-281	<b>Structure Name:</b>	G5-281	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2023/09/03
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MONITORS	#	Description

  

GENERAL	<b>Inspector's Comment:</b>	Structure is in good shape overall. There is some concrete spalling on the right bank ballast wall - appears consistent with previous inspections in regards to the monitoring item. Also noted is the ballast wall to deck panel joint has been grouted on both sides of the structure. Should check to ensure this is compliant with the shop drawing. May require paraseal in this joint. One of the joints has failed and the grout has fallen between the A panel and ballast wall. Structure requires one narrow structure sign be installed.
	<b>PEng's Comment:</b>	No major concerns. Replace grout with paraseal both sides. Reposition fenders. Monitor spalling on ballast wall. BH

  

GENERAL	<b>Estimated Load Restriction (year):</b>	2030	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91
	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/10/23 15:09:44

### Corporate Bridge Register (CBR)

Disclaimer:  
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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 572 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-282	Structure Name:	G5-282	Road Name:	LEO AUSTIN	Inspection Date:	2001/10/15
KM:	11.90	User km:	711.90	Crossing Name:	6 Creek Tributary	Next Inspection Date:	2030/01/01
Project File ID #:	7671	Br.	05	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round		Culvert Material:	Corrugated Steel			
Inlet Cover (mm):	3,000		Outlet Cover (mm):	3,000			
Footing Type:			Gradient (%):	5.0			
Culvert Length (metres):	16.0	Opening Height (mm):	1,800	Opening Width (mm):	1,800		
UTM Zone:	10	UTM Easting:	347395	UTM Northing:	6095347		
Inspector Name:	Brent Case		Year Superstructure Installed:	1981			
Access:	minor culvert 1800						

### APPROACHES

Bridge Ahead Signs Missing	2	No Comment Available -Converter.RNI
Delineator Missing Left (approaching structure)	2	No Comment Available -Converter.RNI
Delineator Missing Right (approaching structure)	2	No Comment Available -Converter.RNI
Posted Load Rating (Enter 0 if sign missing)	0.0	No Comment Available -Converter.RNI
Road Surface	Good	No Comment Available -Converter.RNI

### CULVERT ELEMENT

Coupled Connections	Good	No Comment Available -Converter.RNI
Coating	Good	No Comment Available -Converter.RNI
Fill	Good	No Comment Available -Converter.RNI
Floor	Good	No Comment Available -Converter.RNI
Inlet	Good	No Comment Available -Converter.RNI
Outlet	Good	No Comment Available -Converter.RNI
Riprap	Fair	No Comment Available -Converter.RNI
Roof	Good	No Comment Available -Converter.RNI
Side Walls	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 573 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-282	<b>Structure Name:</b>	G5-282	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2001/10/15			
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>						
	<b>Estimated High Water Level Clearance:</b>			1.3						
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>					
<b>MONITORS</b>	<b>#</b>	<b>Description</b>								
<b>GENERAL</b>	<b>Inspector's Comment:</b>	nullCulvert: 11) Minor rust on floor. 12) Little, but little scour..								
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments								
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2031	<b>Estimated Replacement (year):</b>					
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Accepted By Raymond Getzlaf on 2012/04/10 00:00:00					

### Corporate Bridge Register (CBR)

Disclaimer:  
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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 574 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-283	Structure Name:	G5-283	Road Name:	LEO AUSTIN	Inspection Date:	2001/10/15
KM:	14.70	User km:	714.70	Crossing Name:	Unnamed creek	Next Inspection Date:	2030/01/01
Project File ID #:	7671	Br.	05	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	1,000			Outlet Cover (mm):	1		
Footing Type:				Gradient (%):	2.0		
Culvert Length (metres):	18.0	Opening Height (mm):	1,600	Opening Width (mm):	1,600		
UTM Zone:	10	UTM Easting:	349472	UTM Northing:	6093361		
Inspector Name:	Brent Case			Year Superstructure Installed:	1981		
Access:	minor culvert 1600						

### APPROACHES

Bridge Ahead Signs Missing	2	No Comment Available -Converter.RNI
Delineator Missing Left (approaching structure)	2	No Comment Available -Converter.RNI
Delineator Missing Right (approaching structure)	2	No Comment Available -Converter.RNI
Posted Load Rating (Enter 0 if sign missing)	0.0	No Comment Available -Converter.RNI
Road Surface	Good	No Comment Available -Converter.RNI

### CULVERT ELEMENT

Coupled Connections	Good	No Comment Available -Converter.RNI
Coating	Good	No Comment Available -Converter.RNI
Fill	Good	No Comment Available -Converter.RNI
Floor	Good	No Comment Available -Converter.RNI
Inlet	Poor	No Comment Available -Converter.RNI
Outlet	Good	No Comment Available -Converter.RNI
Riprap	Fair	No Comment Available -Converter.RNI
Roof	Good	No Comment Available -Converter.RNI
Side Walls	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 575 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-283	<b>Structure Name:</b>	G5-283	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2001/10/15	
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>				
	<b>Estimated High Water Level Clearance:</b>			0.0				
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b> Yes	<b>Aggradation:</b> No
	<b>Comment:</b>							
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>			
	3	Suggested	High	\$ 0.00	Span: 1.0. Remove Beaver Dam. Remove beaver dam at inlet.			
<b>MONITORS</b>	<b>#</b>	<b>Description</b>						
	1	Monitor for scour as no rip rap is on site. Monitor for beaver activity, blocked in 2001 by beaver.						
<b>GENERAL</b>	<b>Inspector's Comment:</b>	nullCulvert: 1) Blocked by beaver. Remove debris - could top road in spring. 11) Some rust on floor. 12) Little, but no scour..						
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments						
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2031	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By Raymond Getzlaf on 2012/04/10 00:00:00				

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 576 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-284	<b>Structure Name:</b>	G5-284	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2023/09/03	
<b>KM:</b>	15.30	<b>User km:</b>	715.30	<b>Crossing Name:</b>	vanDecar Creek	<b>Next Inspection Date:</b>	2026/09/03	
<b>Project File ID #:</b>	7671	<b>Br.</b>	05	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Binwall		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Binwall		
<b>Total Length (metres):</b>	19.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	19
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	350027		<b>UTM Northing:</b>	6093157	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1989			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Binwall</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Fair	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 577 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-284	Structure Name:	G5-284	Road Name:	LEO AUSTIN	Inspection Date:	2023/09/03
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Road Surface	Good	
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Fair	mis of risers, short sections not attached at end. 4 rise blocks and 2 x 10 ft sections to replace
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Fair	some fungus noted on underside
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.3	Estimated Present Water Level Width:	4.0
	Estimated High Water Level Clearance:	2.0		

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

REPAIRS	#	Status	Priority	Estimate	Description
	12	Required	High	\$	Fix the 2 guardrail pieces that are only supported in the middle.
	13	Required	High	\$	Replace 4 2 ft riser blocks and 2 sections of 10 ft guardrail

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 578 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-284	<b>Structure Name:</b>	G5-284	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2023/09/03
<b>MONITORS</b>	#	Description					
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure has a section of guardrail that does not comply with ministry standards in a section where two guardrail systems were combined. Binwall monitor checked but not clear what is being monitored here. No issues noted with the left binwall during the inspection. Approach fenders have been partially buried. Approaches would benefit from grading and cleaning up the gravel berm in front of the approach fenders. Repair plan should be generated to address the guardrail issue.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Replace section of guardrail that does not meet Ministry standards. Load limit reduced to 30 tonnes. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2029	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	30	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/02 11:10:54			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 579 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-285	<b>Structure Name:</b>	G5-285	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2020/09/09
<b>KM:</b>	17.50	<b>User km:</b>	717.50	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2023/09/09
<b>Project File ID #:</b>	7671	<b>Br.</b>	05	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,300		<b>Outlet Cover (mm):</b>	1,300			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	24.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	351215	<b>UTM Northing:</b>	6091295		
<b>Inspector Name:</b>	Warren Wilkinson		<b>Year Superstructure Installed:</b>	1989			
<b>Access:</b>	minor culvert						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	2	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	2	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Unrated	wlderness

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Fair	some gaps between culvert segments
<b>Coating</b>	Fair	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	1m
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 580 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-285	<b>Structure Name:</b>	G5-285	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2020/09/09
<b>Inlet</b>	Good						
<b>Outlet</b>	Good	pool at outlet					
<b>Overall</b>	Good						
<b>Riprap</b>	Fair	some has fallen into stream					
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	Yes	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	Pool at outlet								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	

<b>GENERAL</b>	<b>PEng's Comment:</b>	looks ok
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 581 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-285	<b>Structure Name:</b>	G5-285	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2020/09/09
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2029	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Jason Olmsted on 2021/03/01 12:32:19		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 582 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-290	Structure Name:	G5-290	Road Name:	LEO AUSTIN	Inspection Date:	2001/10/15
KM:	21.00	User km:	721.00	Crossing Name:	Unnamed creek	Next Inspection Date:	2030/01/01
Project File ID #:	7671	Br.	05	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	1,500			Outlet Cover (mm):	1,500		
Footing Type:				Gradient (%):			
Culvert Length (metres):	20.0	Opening Height (mm):	1,200	Opening Width (mm):	1,200		
UTM Zone:	10	UTM Easting:	352685	UTM Northing:	6088722		
Inspector Name:	Brent Case			Year Superstructure Installed:	1989		
Access:	minor culvert, twin 1200						

### APPROACHES

Bridge Ahead Signs Missing	2	No Comment Available -Converter.RNI
Delineator Missing Left (approaching structure)	2	No Comment Available -Converter.RNI
Delineator Missing Right (approaching structure)	2	No Comment Available -Converter.RNI
Posted Load Rating (Enter 0 if sign missing)	0.0	No Comment Available -Converter.RNI
Road Surface	Good	No Comment Available -Converter.RNI

### CULVERT ELEMENT

Coupled Connections	Good	No Comment Available -Converter.RNI
Coating	Good	No Comment Available -Converter.RNI
Fill	Good	No Comment Available -Converter.RNI
Floor	Good	No Comment Available -Converter.RNI
Inlet	Good	No Comment Available -Converter.RNI
Outlet	Good	No Comment Available -Converter.RNI
Riprap	Good	No Comment Available -Converter.RNI
Roof	Fair	No Comment Available -Converter.RNI
Side Walls	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 583 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-290	<b>Structure Name:</b>	G5-290	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2001/10/15
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>			
	<b>Estimated High Water Level Clearance:</b>			0.6			
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b> No
	<b>Aggradation:</b>	No					
<b>Comment:</b>							
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>		
<b>MONITORS</b>	<b>#</b>	<b>Description</b>					
<b>GENERAL</b>	<b>Inspector's Comment:</b>	nullCulvert: 5) Minor deformations. 11) Minor rust on floor..					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2039	<b>Estimated Replacement (year):</b>		
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By Raymond Getzlaf on 2012/04/12 00:00:00			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 584 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-286	Structure Name:	G5-286	Road Name:	LEO AUSTIN	Inspection Date:	2023/09/03
KM:	28.80	User km:	728.80	Crossing Name:	Baptiste Creek	Next Inspection Date:	2026/09/03
Project File ID #:	7671	Br.	05	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Sill - Permanent Materials	
Superstructure:	Steel I-beam				Right	Sill - Permanent Materials	
Total Length (metres):	15.0	# Spans:	1	Span Width:			Span Length(s) (metres): 15
UTM Zone:	10		UTM Easting:	357302		UTM Northing:	6085235
Inspector Name:	John Brett			Year Superstructure Installed:	1990		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Fair	Some is round and stacked steep. slightly scoured and perched at toe of apron
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 585 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-286	Structure Name:	G5-286	Road Name:	LEO AUSTIN	Inspection Date:	2023/09/03
---------	--------	-----------------	--------	------------	------------	------------------	------------

### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.3	Estimated Present Water Level Width:	3.0
	Estimated High Water Level Clearance:	3.0		

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

REPAIRS	#	Status	Priority	Estimate	Description

MONITORS	#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 586 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-286	<b>Structure Name:</b>	G5-286	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2023/09/03
<b>GENERAL</b>	<b>Inspector's Comment:</b>	structure is in good shape overall. Riprap at toe of apron is slightly scoured and perched slightly - monitor item appears consistent with last inspection. Guardrail repair recommendation from last inspection is complete and can be removed.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Repair to guard rails and risers completed. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2030		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/06 14:05:55			

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 587 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-288	<b>Structure Name:</b>	G5-288	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2023/09/03
<b>KM:</b>	40.00	<b>User km:</b>	740.00	<b>Crossing Name:</b>	Sydney Creek #1	<b>Next Inspection Date:</b>	2026/09/03
<b>Project File ID #:</b>	7671	<b>Br.</b>	05	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,300		<b>Outlet Cover (mm):</b>	1,500			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	18.0	<b>Opening Height (mm):</b>	2,400	<b>Opening Width (mm):</b>	2,400		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	346546	<b>UTM Northing:</b>	6081719		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	1993			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Fair	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 588 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-288	<b>Structure Name:</b>	G5-288	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2023/09/03
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Good						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	1.6		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. Coupled sections do not line up perfectly but are ok. Culvert has a minor plunge.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Good. BH
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 589 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-288	<b>Structure Name:</b>	G5-288	<b>Road Name:</b>	LEO AUSTIN	<b>Inspection Date:</b>	2023/09/03
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2033	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/11/08 15:15:31		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 590 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-365	<b>Structure Name:</b>	G5-365	<b>Road Name:</b>	TARNEZELL	<b>Inspection Date:</b>	2021/07/20	
<b>KM:</b>	1.30	<b>User km:</b>	1.30	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2024/07/20	
<b>Project File ID #:</b>	7671	<b>Br.</b>	06	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Concrete			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials		
<b>Total Length (metres):</b>	15.2	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	15.2
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	389605		<b>UTM Northing:</b>	6073610	
<b>Inspector Name:</b>	Dawson Smith			<b>Year Superstructure Installed:</b>	1999			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Fair	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Fair	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	1 missing. GZ
<b>Delineator Missing Right (approaching structure)</b>	0	1 missing. GZ
<b>Fender Condition</b>	Fair	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 591 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G5-365 Structure Name: G5-365 Road Name: TARNEZELL Inspection Date: 2021/07/20

### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	significant rot
Deck Joints	Good	
Grout Pockets	Not Applicable	Rate as GOOD. GZ
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Fair	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	0.1
Estimated High Water Level Clearance:	3.0		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
9	Required	Medium	\$	Replace damaged curbs
10	Required	Low	\$	Re-install fenders
11	Required	Low	\$ 250.00	Replace missing delineator
12	Required	Low		replace bridge ahead signs

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 592 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-365	Structure Name:	G5-365	Road Name:	TARNEZELL	Inspection Date:	2021/07/20
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<b>MONITORS</b>	#	Description
	7	monitor beaver activity

<b>GENERAL</b>	Inspector's Comment:	Repair and monitoring items do not match component conditions. Insufficient pictures. GZ
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<b>GENERAL</b>	PEng's Comment:	Inspection good enough. CP
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<b>GENERAL</b>	Estimated Load Restriction (year):	2040	Estimated Replacement (year):			
	Current Inspection Load Rating:	68	Design Load GVW (tonnes):	68	Design Vehicle Config.:	L75
	Professional Inspection Required?	No	Report Status:	Reviewed By Colton Polsom on 2022/05/31 15:40:15		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 593 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-366	Structure Name:	G5-366	Road Name:	TARNEZELL	Inspection Date:	2021/07/20
KM:	7.10	User km:	7.20	Crossing Name:	Unnamed creek	Next Inspection Date:	2024/07/20
Project File ID #:	7671	Br.	06	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	2,000			Outlet Cover (mm):	2,000		
Footing Type:				Gradient (%):			
Culvert Length (metres):	19.0	Opening Height (mm):	2,000	Opening Width (mm):	2,000		
UTM Zone:	10	UTM Easting:	384993	UTM Northing:	6075070		
Inspector Name:	Dawson Smith			Year Superstructure Installed:	1981		
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Poor	one side has failed

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Not Applicable	
Coupled Connections	Unrated	culvert has failed
Coating	Fair	
Embedment Materials	Not Applicable	
Fill	Poor	culvert has failed
Floor	Poor	culvert has failed
Footing	Not Applicable	
Head Wall	Poor	culvert has failed

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 594 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-366	<b>Structure Name:</b>	G5-366	<b>Road Name:</b>	TARNEZELL	<b>Inspection Date:</b>	2021/07/20
<b>Inlet</b>	Poor	culvert has failed					
<b>Outlet</b>	Poor	culvert has failed					
<b>Overall</b>	Poor	culvert has failed					
<b>Riprap</b>	Not Applicable						
<b>Roof</b>	Poor	culvert has failed					
<b>Side Walls</b>	Poor	culvert has failed					
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	0.1
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	4	Required	High	\$	replace culvert

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	No detailed pictures or descriptions of what failed. Restrict loading. GZ

<b>GENERAL</b>	<b>PEng's Comment:</b>	I have visited this site. Culvert couplers has failed, I believe it is in BCTS plan for repair. It will be downrated to 0 tonne. CP

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 595 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-366	<b>Structure Name:</b>	G5-366	<b>Road Name:</b>	TARNEZELL	<b>Inspection Date:</b>	2021/07/20
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2020	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		0	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Colton Polsom on 2022/05/31 15:29:37		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 596 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-260	<b>Structure Name:</b>	G5-260	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2022/11/07	
<b>KM:</b>	18.00	<b>User km:</b>	318.00	<b>Crossing Name:</b>	Kazchek Creek	<b>Next Inspection Date:</b>	2025/11/07	
<b>Project File ID #:</b>	7671	<b>Br.</b>	08	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete			<b>Running Surface:</b>	Concrete			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Precast		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Cast in Place		
<b>Total Length (metres):</b>	30.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	30
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	364483		<b>UTM Northing:</b>	6092637	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1987			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Cast in Place</b>	Good	
<b>Concrete Precast</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Not Applicable	
<b>Wing Wall</b>	Good	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 597 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-260	Structure Name:	G5-260	Road Name:	KAZCHEK	Inspection Date:	2022/11/07
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Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### DECK

#### Span 1

Concrete Deck	Fair	transverse superficial cracks along length of deck
Curb Rail/Blocks/Posts	Good	one damaged rail
Deck Joints	Not Applicable	
Grout Pockets	Not Applicable	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.3	Estimated Present Water Level Width:	10.0
	Estimated High Water Level Clearance:	4.5		

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

REPAIRS	#	Status	Priority	Estimate	Description
	7	Required	High		Repalce one section of guardrail on bridge end. Will require one 20 ft piece of 10x10.
	8	Required	High		Replace rotten fenders both sides.

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 598 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-260	<b>Structure Name:</b>	G5-260	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2022/11/07
<b>MONITORS</b>	<b>#</b>	<b>Description</b>					
	9	deck cracking for progression.					
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good condition overall. Several cracks were noted in the deck and assumed to be associated with the girder deflection monitor item. Deck was cast in place so no typical deck joints or grout pockets. No pictures were included in the inspection of previous monitor items to use as a benchmark. Some erosion of material from underneath poured in place concrete apron noted. Erosion undermines the concrete blanket only and not the actual footing. Some damage noted on the left bank abutment but not affecting structural integrity at this point. PEng should review and provide comment on the deck cracking / girder deflection.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Scheduled for close proximity inspection in 2025. Monitor deck panel cracking for progression. Replace damaged guard rail. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2027	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	68	<b>Design Load GVW (tonnes):</b>	68	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 16:00:22			

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 599 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-265	<b>Structure Name:</b>	G5-211	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2023/09/03
<b>KM:</b>	27.00	<b>User km:</b>	327.00	<b>Crossing Name:</b>	Un-named Creek	<b>Next Inspection Date:</b>	2026/09/03
<b>Project File ID #:</b>	7671	<b>Br.</b>	08	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Not Available		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Steel Pipe and Precast Pad	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Steel Pipe and Precast Pad	
<b>Total Length (metres):</b>	21.3	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	21.3
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	357242		<b>UTM Northing:</b>	6091496
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2019		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	2	
<b>Fender Condition</b>	Good	oone bullnose knocked over
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Fair	lots of potholes

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 600 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-265	Structure Name:	G5-211	Road Name:	KAZCHEK	Inspection Date:	2023/09/03
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	2.0
	Estimated High Water Level Clearance:	4.5		

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

REPAIRS	#	Status	Priority	Estimate	Description
	6	Required	Low	\$	realign one bullnose section

MONITORS	#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 601 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-265	<b>Structure Name:</b>	G5-211	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2023/09/03
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in very good shape overall. Site would benefit from some approach grading, installation of delineators and realignment of one fender bullnose.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Looks good. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2047	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/06 12:40:34			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 602 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-261	<b>Structure Name:</b>	G5-261	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2023/09/03
<b>KM:</b>	37.40	<b>User km:</b>	337.40	<b>Crossing Name:</b>	Natazutlo Creek	<b>Next Inspection Date:</b>	2026/09/03
<b>Project File ID #:</b>	7671	<b>Br.</b>	08	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	4,000		<b>Outlet Cover (mm):</b>	4,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>	1.0			
<b>Culvert Length (metres):</b>	28.0	<b>Opening Height (mm):</b>	5,230	<b>Opening Width (mm):</b>	5,230		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	348403	<b>UTM Northing:</b>	6098022		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	1990			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Excellent	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Good	
<b>Coupled Connections</b>	Not Applicable	
<b>Coating</b>	Good	surface rust on floor
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 603 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-261	<b>Structure Name:</b>	G5-261	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2023/09/03
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.4	<b>Estimated Present Water Level Width:</b>	3.4
	<b>Estimated High Water Level Clearance:</b>	4.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	4	Required	Medium	\$	Remove beaver dam at inlet. Additional beaver dam upstream is likely ok for now.

<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	6	Bevaver Activity. Currently a small dam at the inlet and a larger dam further upstream of the culvert

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert i.s in very good shape overall. a small beaver dam is currently in place at the inlet and should be removed. An additional breaver dam was noted upstream and is not directly affecting the culvert at this time.
	<b>PEng's Comment:</b>	Good. BH

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert i.s in very good shape overall. a small beaver dam is currently in place at the inlet and should be removed. An additional breaver dam was noted upstream and is not directly affecting the culvert at this time.
	<b>PEng's Comment:</b>	Good. BH

### Corporate Bridge Register (CBR)

Disclaimer:  
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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 604 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-261	<b>Structure Name:</b>	G5-261	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2023/09/03	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		68	<b>Design Load GVW (tonnes):</b>		54	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/11/06 13:01:35			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 605 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-262	Structure Name:	G5-262	Road Name:	KAZCHEK	Inspection Date:	2021/07/20
KM:	42.80	User km:	342.80	Crossing Name:	Unnamed creek	Next Inspection Date:	2024/07/20
Project File ID #:	7671	Br.	08	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	10,200			Outlet Cover (mm):	10,200		
Footing Type:				Gradient (%):	3.0		
Culvert Length (metres):	60.0	Opening Height (mm):	2,000	Opening Width (mm):	2,000		
UTM Zone:	10	UTM Easting:	344500	UTM Northing:	6101547		
Inspector Name:	Dawson Smith			Year Superstructure Installed:	1990		
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Not Applicable	
Coupled Connections	Good	
Coating	Good	
Embedment Materials	Not Applicable	
Fill	Good	
Floor	Good	
Footing	Not Applicable	
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 606 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-262	<b>Structure Name:</b>	G5-262	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2021/07/20
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Not Applicable						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	0.5
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Distorted photos but no issues. GZ

<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 607 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-262	<b>Structure Name:</b>	G5-262	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2021/07/20
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		54	<b>Design Load GVW (tonnes):</b>		54	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/02/06 15:41:11		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 608 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-263	Structure Name:	G5-263	Road Name:	KAZCHEK	Inspection Date:	2002/07/15
KM:	44.70	User km:	344.70	Crossing Name:	Unnamed creek	Next Inspection Date:	2024/06/01
Project File ID #:	7671	Br.	08	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	7,000			Outlet Cover (mm):	7,000		
Footing Type:				Gradient (%):	6.0		
Culvert Length (metres):	37.0	Opening Height (mm):	1,800	Opening Width (mm):	1,800		
UTM Zone:	10	UTM Easting:	343346	UTM Northing:	6102578		
Inspector Name:	Brent Case			Year Superstructure Installed:	1990		
Access:	Minor culvert, 1800						

### APPROACHES

Bridge Ahead Signs Missing	2	No Comment Available -Converter.RNI
Delineator Missing Left (approaching structure)	2	No Comment Available -Converter.RNI
Delineator Missing Right (approaching structure)	2	No Comment Available -Converter.RNI
Posted Load Rating (Enter 0 if sign missing)	0.0	No Comment Available -Converter.RNI
Road Surface	Good	No Comment Available -Converter.RNI

### CULVERT ELEMENT

Coupled Connections	Good	No Comment Available -Converter.RNI
Coating	Fair	No Comment Available -Converter.RNI
Fill	Good	No Comment Available -Converter.RNI
Floor	Good	No Comment Available -Converter.RNI
Inlet	Good	No Comment Available -Converter.RNI
Outlet	Good	No Comment Available -Converter.RNI
Riprap	Good	No Comment Available -Converter.RNI
Roof	Good	No Comment Available -Converter.RNI
Side Walls	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 609 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-263	<b>Structure Name:</b>	G5-263	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2002/07/15			
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>						
	<b>Estimated High Water Level Clearance:</b>			0.5						
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>					
<b>MONITORS</b>	<b>#</b>	<b>Description</b>								
	1	Monitor road fill erosion on upstream side. Monitor last 2 connections near outlet.								
<b>GENERAL</b>	<b>Inspector's Comment:</b>	nullCulvert: 4) Last 2 connections near outlet have some separation. 11) Rusting on floor..								
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments								
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2040	<b>Estimated Replacement (year):</b>					
	<b>Current Inspection Load Rating:</b>		54	<b>Design Load GVW (tonnes):</b>		54	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>		No	<b>Report Status:</b>		Accepted By Raymond Getzlaf on 2012/04/10 00:00:00				

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 610 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-264	Structure Name:	G5-264	Road Name:	KAZCHEK	Inspection Date:	2021/07/20
KM:	45.40	User km:	345.40	Crossing Name:	Unnamed creek	Next Inspection Date:	2024/07/20
Project File ID #:	7671	Br.	08	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round		Culvert Material:	Corrugated Steel			
Inlet Cover (mm):	6,000		Outlet Cover (mm):	6,000			
Footing Type:			Gradient (%):	2.0			
Culvert Length (metres):	33.0	Opening Height (mm):	2,400	Opening Width (mm):	2,400		
UTM Zone:	10	UTM Easting:	342770	UTM Northing:	6102877		
Inspector Name:	Dawson Smith		Year Superstructure Installed:	1990			
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Not Applicable	
Coupled Connections	Good	
Coating	Good	
Embedment Materials	Not Applicable	
Fill	Good	
Floor	Good	
Footing	Not Applicable	
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 611 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-264	<b>Structure Name:</b>	G5-264	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2021/07/20
<b>Inlet</b>	Fair	Beaver has built a dam around inlet					
<b>Outlet</b>	Good						
<b>Overall</b>	Fair						
<b>Riprap</b>	Not Applicable						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.0	<b>Estimated Present Water Level Width:</b>	0.0
	<b>Estimated High Water Level Clearance:</b>	2.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	Beaver has built a dam around inlet								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	4	Required	High		Remove beaver dam

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Beaver dam above inlet, not blocking pipe. No issues. GZ

<b>GENERAL</b>	<b>PEng's Comment:</b>	No major concerns. BH

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 612 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-264	<b>Structure Name:</b>	G5-264	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2021/07/20
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		54	<b>Design Load GVW (tonnes):</b>		54	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/02/06 15:50:26		

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 613 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-222	Structure Name:	G5-222	Road Name:	KAZCHEK	Inspection Date:	2021/11/04
KM:	48.60	User km:	348.60	Crossing Name:	UNNAMED	Next Inspection Date:	2024/11/04
Project File ID #:	7671	Br.	08	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials	
Superstructure:	Steel I-beam				Right	Pile -Permanent Materials	
Total Length (metres):	20.9	# Spans:	1	Span Width:		Span Length(s) (metres):	20.9
UTM Zone:	10		UTM Easting:	340389	UTM Northing:	6104412	
Inspector Name:	Dawson Smith			Year Superstructure Installed:	2006		

Access:

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	(Rate as fair. Note exposed geotextile.GZ)
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	1	
Brushing Required	No	
Delineator Missing Left (approaching structure)	2	
Delineator Missing Right (approaching structure)	1	
Fender Condition	Poor	some broken and out of place
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Fair	approached need grading

### Corporate Bridge Register (CBR)

Disclaimer:  
 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.  
 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 614 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G5-222 Structure Name: G5-222 Road Name: KAZCHEK Inspection Date: 2021/11/04

### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	guardrails rotten
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Poor	due to guardrails and fenders
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	0.5
Estimated High Water Level Clearance:	3.0		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
7	Required	Medium	\$	Replace curbs
8	Required	Low	\$	Replace 3 Delineators
9	Required	Low	\$	Re-install fenders
10	Required	Low	\$	Install bridge ahead signs

### Corporate Bridge Register (CBR)

- Disclaimer:
- Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 615 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-222	Structure Name:	G5-222	Road Name:	KAZCHEK	Inspection Date:	2021/11/04
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<b>MONITORS</b>	#	Description
	1	Monitor scour

<b>GENERAL</b>	Inspector's Comment:	fenders need replaced, guardrails rotten  Did not note significant scour of right abutment since last inspection. Load restrict to flag riser rail repairs not completed. GZ
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<b>GENERAL</b>	PEng's Comment:	Guard rails need to be replaced, if they aren't bridge could be down rated at any point. Monitor noted scour. CP
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<b>GENERAL</b>	Estimated Load Restriction (year):	2050	Estimated Replacement (year):			
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Colton Polsom on 2022/05/31 14:55:16		

### Corporate Bridge Register (CBR)

Disclaimer:  
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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 616 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-216	<b>Structure Name:</b>	G5-216	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2020/08/05
<b>KM:</b>	52.20	<b>User km:</b>	352.20	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2023/08/05
<b>Project File ID #:</b>	7671	<b>Br.</b>	08	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	600		<b>Outlet Cover (mm):</b>	750			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	18.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	337468	<b>UTM Northing:</b>	6106984		
<b>Inspector Name:</b>	Warren wilkinson		<b>Year Superstructure Installed:</b>	1975			
<b>Access:</b>	Minor culvert						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	2	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	2	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Fair	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	2m
<b>Floor</b>	Fair	one hole 3/4 from inlet
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 617 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-216	<b>Structure Name:</b>	G5-216	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2020/08/05
<b>Inlet</b>	Good	steep drop					
<b>Outlet</b>	Fair	perched					
<b>Overall</b>	Fair						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	0.3
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

<b>MONITORS</b>	#	Description
	4	monitor hole in floor, 3/4 from inlet

<b>GENERAL</b>	<b>Inspector's Comment:</b>	
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<b>GENERAL</b>	<b>PEng's Comment:</b>	This is a minor culvert that will be no longer scheduled for inspection as a major culvert. This will now be inspected by the district during their road inspections.
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### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 618 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-216	<b>Structure Name:</b>	G5-216	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2020/08/05
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2020	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		54	<b>Design Load GVW (tonnes):</b>		54	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Jason Olmsted on 2021/03/01 13:17:53		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 619 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-217	Structure Name:	G5-217	Road Name:	KAZCHEK	Inspection Date:	2021/07/20
KM:	55.20	User km:	355.20	Crossing Name:	Leo Creek	Next Inspection Date:	2024/07/20
Project File ID #:	7671	Br.	08	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete Composite			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Steel Pipe and Precast Pad	
Superstructure:	Steel I-beam				Right	Steel Pipe and Precast Pad	
Total Length (metres):	15.0	# Spans:	1	Span Width:			Span Length(s) (metres): 15
UTM Zone:	10		UTM Easting:	335286		UTM Northing:	6108035
Inspector Name:	Dawson Smith			Year Superstructure Installed:	1996		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Good	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	(N/A. GZ)
Fill	Good	
Hardware	Fair	loose bolts
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	?? Repair item. GZ
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	?? Repair item. GZ
Delineator Missing Right (approaching structure)	0	?? Repair item. GZ
Fender Condition	Poor	log fenders, some missing
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 620 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-217	Structure Name:	G5-217	Road Name:	KAZCHEK	Inspection Date:	2021/07/20
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	
Deck Joints	Good	
Grout Pockets	Fair	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	1.5	Estimated Present Water Level Width:	3.0
	Estimated High Water Level Clearance:	4.0		

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

REPAIRS	#	Status	Priority	Estimate	Description
	4	Required	Low	\$ 500.00	Replace 3 delineators
	6	Required	Low	\$ 0.00	Replace 2 Bridge ahead signs
	7	Required	Low	\$ 500.00	Loose bolts on abutment
	8	Required	Low	\$	Replace fenders

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 621 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-217	Structure Name:	G5-217	Road Name:	KAZCHEK	Inspection Date:	2021/07/20
---------	--------	-----------------	--------	------------	---------	------------------	------------

<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	Missing pictures, repair items don't match component ratings. GZ				
	PEng's Comment:	Inspection ok. No concerns. CP				
<b>GENERAL</b>	Estimated Load Restriction (year):	2036	Estimated Replacement (year):			
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	
	Professional Inspection Required?	No	Report Status:	Reviewed By Colton Polsom on 2022/05/31 14:42:20		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 622 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-218	<b>Structure Name:</b>	G5-218	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2001/09/25
<b>KM:</b>	57.50	<b>User km:</b>	357.50	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2030/01/01
<b>Project File ID #:</b>	7671	<b>Br.</b>	08	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	6,000		<b>Outlet Cover (mm):</b>	6,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>	3.0			
<b>Culvert Length (metres):</b>	37.0	<b>Opening Height (mm):</b>	1,500	<b>Opening Width (mm):</b>	1,500		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	333966	<b>UTM Northing:</b>	6109585		
<b>Inspector Name:</b>	Tim Silbernagel		<b>Year Superstructure Installed:</b>	1974			
<b>Access:</b>	Minor culvert, 1600, Coordinates approximate, based on Km.						

### APPROACHES

<b>Bridge Ahead Signs Missing</b>	2	No Comment Available -Converter.RNI
<b>Delineator Missing Left</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Delineator Missing Right</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0.0	No Comment Available -Converter.RNI
<b>Road Surface</b>	Good	No Comment Available -Converter.RNI

### CULVERT ELEMENT

<b>Coupled Connections</b>	Good	No Comment Available -Converter.RNI
<b>Coating</b>	Good	No Comment Available -Converter.RNI
<b>Fill</b>	Good	No Comment Available -Converter.RNI
<b>Floor</b>	Good	No Comment Available -Converter.RNI
<b>Inlet</b>	Good	No Comment Available -Converter.RNI
<b>Outlet</b>	Poor	No Comment Available -Converter.RNI
<b>Riprap</b>	Fair	No Comment Available -Converter.RNI
<b>Roof</b>	Good	No Comment Available -Converter.RNI
<b>Side Walls</b>	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 623 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-218	<b>Structure Name:</b>	G5-218	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2001/09/25			
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>						
	<b>Estimated High Water Level Clearance:</b>			1.0						
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>					
<b>MONITORS</b>	<b>#</b>	<b>Description</b>								
	1	Monitor for scour as no rip rap is on site. Crossing is heavily vegetated.								
<b>GENERAL</b>	<b>Inspector's Comment:</b>	nullCulvert: 2) crushing, supports inside only temp fix, major piping at last joint/seperation, piping failure in road fill slope 12) minor scour at inlet 14) hole near outlet end.								
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments								
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2024	<b>Estimated Replacement (year):</b>					
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>		Yes	<b>Report Status:</b>		Accepted By Raymond Getzlaf on 2012/04/10 00:00:00				

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 624 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-219	Structure Name:	G5-219	Road Name:	KAZCHEK	Inspection Date:	2021/07/20
KM:	60.30	User km:	360.30	Crossing Name:	Unnamed creek	Next Inspection Date:	2024/07/20
Project File ID #:	7671	Br.	08	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	10,000			Outlet Cover (mm):	10,000		
Footing Type:				Gradient (%):	2.0		
Culvert Length (metres):	56.0	Opening Height (mm):	1,500	Opening Width (mm):	1,500		
UTM Zone:	10	UTM Easting:	332510	UTM Northing:	6112563		
Inspector Name:	Dawson Smith			Year Superstructure Installed:	1974		
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Not Applicable	
Coupled Connections	Poor	culvert has failed, last coupler has come apart
Coating	Fair	
Embedment Materials	Not Applicable	
Fill	Good	
Floor	Not Applicable	
Footing	Not Applicable	
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 625 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-219	<b>Structure Name:</b>	G5-219	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2021/07/20
<b>Inlet</b>	Fair						
<b>Outlet</b>	Poor		culvert has failed, last coupler has come apart				
<b>Overall</b>	Poor		culvert has failed				
<b>Riprap</b>	Not Applicable						
<b>Roof</b>	Fair						
<b>Side Walls</b>	Fair						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	0.1
	<b>Estimated High Water Level Clearance:</b>	2.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	8	monitor separation at outlet end

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Component items listed as poor but no repair items. Pictures are distorted: round pipe looks elliptical. GZ
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Inspection accepted. No Concerns. CP
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### Corporate Bridge Register (CBR)

Disclaimer:  
 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.  
 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 626 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-219	<b>Structure Name:</b>	G5-219	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2021/07/20
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2024	<b>Estimated Replacement (year):</b>		2024	
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Colton Polsom on 2022/05/31 14:44:36		

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 627 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-219	Structure Name:	G5-219-2	Road Name:	KAZCHEK	Inspection Date:	2021/07/07
KM:	60.30	User km:	360.30	Crossing Name:	Unnamed creek	Next Inspection Date:	2024/07/07
Project File ID #:	7671	Br.	08	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round		Culvert Material:	Corrugated Steel			
Inlet Cover (mm):	9,000		Outlet Cover (mm):	9,000			
Footing Type:			Gradient (%):	2.0			
Culvert Length (metres):	56.0	Opening Height (mm):	1,800	Opening Width (mm):	1,800		
UTM Zone:	10	UTM Easting:	332510	UTM Northing:	6112563		
Inspector Name:	Dawson Smith		Year Superstructure Installed:	1974			
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Not Applicable	
Coupled Connections	Good	
Coating	Fair	
Embedment Materials	Not Applicable	
Fill	Good	
Floor	Fair	
Footing	Fair	
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 628 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-219	<b>Structure Name:</b>	G5-219-2	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2021/07/07
<b>Inlet</b>	Fair						
<b>Outlet</b>	Fair						
<b>Overall</b>	Fair						
<b>Riprap</b>	Not Applicable						
<b>Roof</b>	Fair						
<b>Side Walls</b>	Fair						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.0	<b>Estimated Present Water Level Width:</b>	0.0
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	2	Required	Medium	\$ 500.00	Clean debris from culvert.

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	

<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 629 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-219	<b>Structure Name:</b>	G5-219-2	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2021/07/07
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2024	<b>Estimated Replacement (year):</b>		2024	
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/02/24 15:25:44		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 630 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-220	<b>Structure Name:</b>	G5-220	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2009/09/30
<b>KM:</b>	61.70	<b>User km:</b>	361.70	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2030/01/01
<b>Project File ID #:</b>	7671	<b>Br.</b>	08	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	9,000		<b>Outlet Cover (mm):</b>	9,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	56.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	331285	<b>UTM Northing:</b>	6112340		
<b>Inspector Name:</b>	Sue Forshner		<b>Year Superstructure Installed:</b>	1974			
<b>Access:</b>	Minor culvert 1800						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	None
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Fair	
<b>Bolted Connections</b>	Fair	
<b>Coupled Connections</b>	Fair	
<b>Coating</b>	Unrated	Not rated on inspection sheet
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Unrated	Not rated on inspection sheet
<b>Floor</b>	Fair	Rust
<b>Footing</b>	Unrated	Not rated on inspection sheet
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 631 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-220	<b>Structure Name:</b>	G5-220	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2009/09/30
<b>Inlet</b>	Unrated	Plugged minimal drainage - beaver dam					
<b>Outlet</b>	Unrated	Perched					
<b>Overall</b>	Poor	No comments on inspection sheet					
<b>Riprap</b>	Unrated	Not rated on inspection sheet					
<b>Roof</b>	Unrated	Not rated on inspection sheet					
<b>Side Walls</b>	Unrated	Not rated on inspection sheet					
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	20.0	<b>Estimated Present Water Level Width:</b>	99.0
	<b>Estimated High Water Level Clearance:</b>	99.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	1	Beavers

<b>GENERAL</b>	<b>Inspector's Comment:</b>	
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 632 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-220	<b>Structure Name:</b>	G5-220	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2009/09/30
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2024	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b> Accepted By Raymond Getzlaf on 2010/03/03 00:00:00				

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 633 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-221	Structure Name:	G5-221	Road Name:	KAZCHEK	Inspection Date:	2021/07/20	
KM:	62.20	User km:	362.20	Crossing Name:	Sandypoint Creek	Next Inspection Date:	2024/07/20	
Project File ID #:	7671	Br.	08	Forest District:	Stuart Nechako Natural Resource District			
Deck Type:	Concrete			Running Surface:	Concrete			
Curb Type:				Abutments (looking downstream)	Left	Binwall		
Superstructure:	Steel I-beam				Right	Binwall		
Total Length (metres):	16.0	# Spans:	1	Span Width:			Span Length(s) (metres):	16
UTM Zone:	10		UTM Easting:	330473		UTM Northing:	6112727	
Inspector Name:	Dawson Smith			Year Superstructure Installed:	1992			
Access:								

### ABUTMENTS

Bearings	Fair	
Binwall	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Good	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	2	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	2	
Delineator Missing Right (approaching structure)	2	
Fender Condition	Poor	log fenders, some missing
Posted Load Rating (Enter 0 if sign missing)	0	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 634 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-221	<b>Structure Name:</b>	G5-221	<b>Road Name:</b>	KAZCHEK	<b>Inspection Date:</b>	2021/07/20
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<b>Road Surface</b>	Good	
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### DECK

#### Span 1

<b>Concrete Deck</b>	Good	
<b>Curb Rail/Blocks/Posts</b>	Poor	Riser blocks show decay
<b>Deck Joints</b>	Good	
<b>Grout Pockets</b>	Good	(Rate as GOOD. GZ)
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Overall Deck Condition</b>	Good	
<b>Running Surface</b>	Good	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.5	<b>Estimated Present Water Level Width:</b>	3.0
	<b>Estimated High Water Level Clearance:</b>	2.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	9	Required	Medium	\$ 0.00	install bridge ahead signs
	11	Required	Medium	\$ 500.00	install delineators
	12	Required	Medium	\$	Replace missing fenders
	13	Required	Medium	\$	Replace rotten curbs and risers

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 635 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-221	Structure Name:	G5-221	Road Name:	KAZCHEK	Inspection Date:	2021/07/20
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	No significant issues. GZ				
<b>GENERAL</b>	PEng's Comment:	No major concerns. BH				
<b>GENERAL</b>	Estimated Load Restriction (year):	2032	Estimated Replacement (year):			
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/02/01 15:54:57		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 636 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-240	<b>Structure Name:</b>	G5-240	<b>Road Name:</b>	AIRLINE	<b>Inspection Date:</b>	2022/10/21	
<b>KM:</b>	6.50	<b>User km:</b>	6.60	<b>Crossing Name:</b>	Airline Creek	<b>Next Inspection Date:</b>	2025/10/21	
<b>Project File ID #:</b>	7671	<b>Br.</b>	11	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete			<b>Running Surface:</b>	Not Available			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Binwall		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Binwall		
<b>Total Length (metres):</b>	18.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	18
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	367344		<b>UTM Northing:</b>	6115750	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1992			
<b>Access:</b>	68 km on Leo Creek - 3 km on Driftwood - 6.5 km on Leo Airline. Ladder and two inspectors recommended - bin walls limit access to abutments.							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Binwall</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 637 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-240	Structure Name:	G5-240	Road Name:	AIRLINE	Inspection Date:	2022/10/21
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Road Surface	Fair	
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	rotten, broken, replace
Deck Joints	Good	Deck joint 3 to 4 from RB has hole in it
Grout Pockets	Good	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	3.0
	Estimated High Water Level Clearance:	3.5		

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

REPAIRS	#	Status	Priority	Estimate	Description
	5	Required	Low	\$	Install new approach fender left bank downstream corner
6	Required	Low	\$	Install paraseal joints at ends of bridge.	
7	Required	Medium	\$	Replace guardrails	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 638 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-240	Structure Name:	G5-240	Road Name:	AIRLINE	Inspection Date:	2022/10/21
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<b>MONITORS</b>	#	Description
	1	Deck joint 3 to 4 from right bank, monitor hole, see photos

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall. the paraseal is gone from the ballast wall deck joints. Deck joint between panels 3 and 4 from the Right Bank has a hole in it. Extent of the void is difficult to assess. Monitor during future inspections - see photo. Guardrails are in rough shape and should be replaced. Brackets are good. They consist of creosote treated 8x10 timbers
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Replace risers and guardrails soon. BH
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2032	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 15:56:44		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 639 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-241	<b>Structure Name:</b>	G5-966	<b>Road Name:</b>	AIRLINE	<b>Inspection Date:</b>	2022/10/21
<b>KM:</b>	12.00	<b>User km:</b>	12.60	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2025/10/21
<b>Project File ID #:</b>	7671	<b>Br.</b>	11	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Treated - Panels			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks	
<b>Total Length (metres):</b>	15.2	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	15.2
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	373159		<b>UTM Northing:</b>	6115426
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2009		
<b>Access:</b>	12.7km Leo Airline FSR.						

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 640 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-241	Structure Name:	G5-966	Road Name:	AIRLINE	Inspection Date:	2022/10/21
---------	--------	-----------------	--------	------------	---------	------------------	------------

Road Surface	Fair
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DECK	
Span 1	
Curb Rail/Blocks/Posts	Good
Deck to Girder Bolts	Good
Hardware	Good
Hand Rails/Walkouts	Not Applicable
Nails	Good
Overall Deck Condition	Good
Running Planks	Good
Sub Deck	Good
Ties	Good

SUPERSTRUCTURE	
Span 1	
Bracing	Good
Diaphragms	Good
Girders	Good
Hardware	Good
Under Trussing	Not Applicable

CHANNEL	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	1.4
	Estimated High Water Level Clearance:	2.5		

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

REPAIRS	#	Status	Priority	Estimate	Description

### Corporate Bridge Register (CBR)

Disclaimer:  
 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.  
 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 641 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-241	Structure Name:	G5-966	Road Name:	AIRLINE	Inspection Date:	2022/10/21
---------	--------	-----------------	--------	------------	---------	------------------	------------

MONITORS	#	Description				
GENERAL	Inspector's Comment:	Bridge is in good shape overall, no issues noted.				
	PEng's Comment:	No concerns. Bh				
GENERAL	Estimated Load Restriction (year):	2039	Estimated Replacement (year):			
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/12/09 15:57:20		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 642 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-244	Structure Name:	G5-940	Road Name:	AIRLINE NORTH	Inspection Date:	2022/09/15
KM:	800.00	User km:	0.80	Crossing Name:	Un-named Creek	Next Inspection Date:	2024/09/15
Project File ID #:	7671	Br.	15	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Treated			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Sill -Temporary Materials	
Superstructure:	Steel I-beam				Right	Sill -Temporary Materials	
Total Length (metres):	12.2	# Spans:	1	Span Width:			Span Length(s) (metres): 12.2
UTM Zone:	10		UTM Easting:	363832		UTM Northing:	6114767
Inspector Name:	Dustin Anderberg			Year Superstructure Installed:	2022		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Good	
Ballast Wall	Good	Timber cribbing
Corrosion Protection	Not Applicable	
Caps or Sills	Good	50cmx30cm timber sill
Fill	Fair	Minor loss on high chain up stream
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	On a bend
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Poor	Replace broken fenders and realign
Road Surface	Fair	Pot holing starting on both ends

### DECK

#### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 643 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-244	<b>Structure Name:</b>	G5-940	<b>Road Name:</b>	AIRLINE NORTH	<b>Inspection Date:</b>	2022/09/15
----------------	--------	------------------------	--------	-------------------	---------------	-------------------------	------------

Span 1	
Curb Rail/Blocks/Posts	Good
Deck to Girder Bolts	Good
Hardware	Good
Hand Rails/Walkouts	Not Applicable
Nails	Good
Overall Deck Condition	Good
Running Planks	Good
Sub Deck	Good
Ties	Good

SUPERSTRUCTURE	
Span 1	
Bracing	Good
Diaphragms	Good
Girders	Good
Hardware	Good
Under Trussing	Not Applicable

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	0.4
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	1	Required	Medium	\$ 1.00	Two fenders connections broke

<b>MONITORS</b>	#	Description
	2	Erosion on left bank up stream approach side.

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 644 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-244	<b>Structure Name:</b>	G5-940	<b>Road Name:</b>	AIRLINE NORTH	<b>Inspection Date:</b>	2022/09/15
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Very slow moving stream on what looks like a small flood plane. Bridge is heavily skewed. Fenders are not connected and connections are broken off. DA					
<b>GENERAL</b>	<b>PEng's Comment:</b>	no concerns. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2037	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/28 10:48:02			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 645 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-235	<b>Structure Name:</b>	G5-943	<b>Road Name:</b>	TAKATOOT	<b>Inspection Date:</b>	2020/09/22	
<b>KM:</b>	0.29	<b>User km:</b>	0.30	<b>Crossing Name:</b>	Unnamed	<b>Next Inspection Date:</b>	2023/09/22	
<b>Project File ID #:</b>	7671	<b>Br.</b>	22	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel Truss/Bailey/Acrow				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	3.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	3
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	356372		<b>UTM Northing:</b>	6107782	
<b>Inspector Name:</b>	Vince Sewell			<b>Year Superstructure Installed:</b>	1997			
<b>Access:</b>	This site was installed with Acrow pannels G5-943 and G5-944.							

### ABUTMENTS

<b>Bearings</b>	Not Applicable	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Poor	needs repair for industrial use
<b>Concrete Lock Blocks</b>	Fair	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Poor	Sill plank needs replacing if industrial use
<b>Fill</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	6	5000kg

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 646 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-235	Structure Name:	G5-943	Road Name:	TAKATOOT	Inspection Date:	2020/09/22
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Road Surface	Fair	
<b>DECK</b>		
<b>Span 1</b>		
Curb Rail/Blocks/Posts	Fair	
Deck to Girder Bolts	Not Applicable	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Fair	
Overall Deck Condition	Fair	
Running Planks	Not Applicable	
Sub Deck	Fair	
Ties	Good	

<b>SUPERSTRUCTURE</b>		
<b>Span 1</b>		
Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Not Applicable	

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	1.5
	Estimated High Water Level Clearance:	1.0		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	5	Required	Medium		replace sills prior to industrial use

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 647 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-235	Structure Name:	G5-943	Road Name:	TAKATOOT	Inspection Date:	2020/09/22
---------	--------	-----------------	--------	------------	----------	------------------	------------

<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:					
	PEng's Comment:					
<b>GENERAL</b>	Estimated Load Restriction (year):	2020	Estimated Replacement (year):			
	Current Inspection Load Rating:	5	Design Load GVW (tonnes):	68	Design Vehicle Config.:	L75
	Professional Inspection Required?	No	Report Status:	Reviewed By Jason Olmsted on 2021/03/03 10:58:23		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 648 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-235	<b>Structure Name:</b>	G5-944	<b>Road Name:</b>	TAKATOOT	<b>Inspection Date:</b>	2023/09/03	
<b>KM:</b>	0.29	<b>User km:</b>	0.30	<b>Crossing Name:</b>	Unnamed	<b>Next Inspection Date:</b>	2026/09/03	
<b>Project File ID #:</b>	7671	<b>Br.</b>	22	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel Truss/Bailey/Acrow				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	3.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	3
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	356372		<b>UTM Northing:</b>	6107782	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1997			
<b>Access:</b>	This site was installed with Acrow pannels G5-943 and G5-944.							

### ABUTMENTS

<b>Bearings</b>	Fair	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Fair	
<b>Concrete Lock Blocks</b>	Fair	One cracked. Some have settled
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Fair	
<b>Fill</b>	Fair	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Fair	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	10	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 649 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-235	Structure Name:	G5-944	Road Name:	TAKATOOT	Inspection Date:	2023/09/03
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Road Surface	Fair	
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Fair	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Fair	
Running Planks	Fair	
Sub Deck	Fair	some fungus
Ties	Fair	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	2.0
	Estimated High Water Level Clearance:	1.0		

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

REPAIRS	#	Status	Priority	Estimate	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 650 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-235	Structure Name:	G5-944	Road Name:	TAKATOOT	Inspection Date:	2023/09/03
---------	--------	-----------------	--------	------------	----------	------------------	------------

<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	Unclear what this intention is to have two structure files for one single spanm bridge. Inspection pertains to entire structure.				
	PEng's Comment:	Keep at 5 tonnes. BH				
<b>GENERAL</b>	Estimated Load Restriction (year):	2020	Estimated Replacement (year):			
	Current Inspection Load Rating:	5	Design Load GVW (tonnes):	68	Design Vehicle Config.:	L75
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2023/11/14 14:43:08		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 651 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-236	<b>Structure Name:</b>	G5-947	<b>Road Name:</b>	TAKATOOT	<b>Inspection Date:</b>	2023/09/03	
<b>KM:</b>	1.04	<b>User km:</b>	3.00	<b>Crossing Name:</b>	Unnamed Creek	<b>Next Inspection Date:</b>	2026/09/03	
<b>Project File ID #:</b>	7671	<b>Br.</b>	22	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel Truss/Bailey/Acrow				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	3.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	3
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	357120		<b>UTM Northing:</b>	6107981	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1997			
<b>Access:</b>	This site is installed with Acrow pannels G5-945, G5-946 and G5-947.							

### ABUTMENTS

<b>Bearings</b>	Fair	one rotten sill timber
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Fair	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Fair	one cracked
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	1	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	10	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 652 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-236	Structure Name:	G5-947	Road Name:	TAKATOOT	Inspection Date:	2023/09/03
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Road Surface	Fair	
<b>DECK</b>		
<b>Span 1</b>		
Curb Rail/Blocks/Posts	Fair	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Fair	
Running Planks	Fair	
Sub Deck	Fair	
Ties	Fair	

<b>SUPERSTRUCTURE</b>		
<b>Span 1</b>		
Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Not Applicable	

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	1.5
	Estimated High Water Level Clearance:	1.5		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

### Corporate Bridge Register (CBR)

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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 653 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-236	<b>Structure Name:</b>	G5-947	<b>Road Name:</b>	TAKATOOT	<b>Inspection Date:</b>	2023/09/03
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REPAIRS	#	Status	Priority	Estimate	Description
	5	Required	Low	\$	Brush out both approaches
	6	Required	Low	\$	Install narrow structure signs both approaches
	7	Required	Low	\$ 250.00	1 left delineator
	8	Required	High	\$ 0.00	Replace timber sills.
	9	Required	Medium	\$ 0.00	Fasten deck to structure

MONITORS	#	Description

GENERAL	<b>Inspector's Comment:</b>	One inspection form for entire bridge - previous inspection repairs have not been completed. Bridge deck is quite rotten and soft in spots. Should be replaced. Consider replacing all timber components if required for heavier traffic. PEng to inspect to assess whether load rating should be reduced based on timber components.
	<b>PEng's Comment:</b>	Load rating remains at 10 tonnes. Replace wood components. BH

GENERAL	<b>Estimated Load Restriction (year):</b>	2020	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	10	<b>Design Load GVW (tonnes):</b>	68
	<b>Design Vehicle Config.:</b>	L75	<b>Professional Inspection Required?</b>	No

<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/14 15:37:29
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 654 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-236	<b>Structure Name:</b>	G5-945	<b>Road Name:</b>	TAKATOOT	<b>Inspection Date:</b>	2020/09/22	
<b>KM:</b>	1.04	<b>User km:</b>	3.00	<b>Crossing Name:</b>	Unnamed Creek	<b>Next Inspection Date:</b>	2023/09/22	
<b>Project File ID #:</b>	7671	<b>Br.</b>	22	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel Truss/Bailey/Acrow				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	3.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	3
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	357120		<b>UTM Northing:</b>	6107981	
<b>Inspector Name:</b>	Vince Sewell			<b>Year Superstructure Installed:</b>	1997			
<b>Access:</b>	This site is installed with Acrow pannels G5-945, G5-946 and G5-947.							

### APPROACHES

<b>Alignment</b>	Fair	ok for rec traffic
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	2	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Fair	

### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Good	
<b>Deck to Girder Bolts</b>	Not Applicable	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Fair	
<b>Running Planks</b>	Not Applicable	Fungus found on bottom
<b>Sub Deck</b>	Fair	
<b>Ties</b>	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 655 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-236	Structure Name:	G5-945	Road Name:	TAKATOOT	Inspection Date:	2020/09/22
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### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	1.0
	Estimated High Water Level Clearance:	1.2		

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

REPAIRS	#	Status	Priority	Estimate	Description
	7	Required	Medium		
8	Required	Medium			
9	Required	Medium			

MONITORS	#	Description

GENERAL	Inspector's Comment:	
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GENERAL	PEng's Comment:	Will look at this bridge this summer to determine the condition it is in and if anything needs to be down-rated.
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GENERAL	Estimated Load Restriction (year):	2020	Estimated Replacement (year):			
	Current Inspection Load Rating:	68	Design Load GVW (tonnes):	68	Design Vehicle Config.:	L75
	Professional Inspection Required?	No	Report Status:	Reviewed By Jason Olmsted on 2021/03/03 11:30:57		

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 656 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-236	<b>Structure Name:</b>	G5-946	<b>Road Name:</b>	TAKATOOT	<b>Inspection Date:</b>	2020/09/22	
<b>KM:</b>	1.04	<b>User km:</b>	3.00	<b>Crossing Name:</b>	Unnamed Creek	<b>Next Inspection Date:</b>	2023/09/22	
<b>Project File ID #:</b>	7671	<b>Br.</b>	22	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Treated - Panels			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel Truss/Bailey/Acrow				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	3.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	3
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	357120	<b>UTM Northing:</b>	6107981			
<b>Inspector Name:</b>	Vince sewell		<b>Year Superstructure Installed:</b>	1997				
<b>Access:</b>	This site is installed with Acrow pannels G5-945, G5-946 and G5-947.							

### ABUTMENTS

<b>Bearings</b>	Not Applicable	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Poor	replace
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Poor	replace
<b>Fill</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	2	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 657 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-236	Structure Name:	G5-946	Road Name:	TAKATOOT	Inspection Date:	2020/09/22
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Road Surface	Fair	
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Not Applicable	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Fair	
Running Planks	Not Applicable	
Sub Deck	Fair	white fungus starting on bottom
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	1.0
	Estimated High Water Level Clearance:	1.2		

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

REPAIRS	#	Status	Priority	Estimate	Description
	2	Required	Medium		Replace sills
	3	Required	Medium		
	4	Required	Medium		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 658 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-236	Structure Name:	G5-946	Road Name:	TAKATOOT	Inspection Date:	2020/09/22
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:					
	PEng's Comment:					
<b>GENERAL</b>	Estimated Load Restriction (year):	2020	Estimated Replacement (year):			
	Current Inspection Load Rating:	68	Design Load GVW (tonnes):	68	Design Vehicle Config.:	L75
	Professional Inspection Required?	No	Report Status:	Reviewed By Jason Olmsted on 2021/03/22 13:25:32		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 659 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-332	Structure Name:	P118	Road Name:	BIVOUAC	Inspection Date:	2022/11/09
KM:	3.60	User km:	3.60	Crossing Name:	Unnamed Stream	Next Inspection Date:	2024/11/09
Project File ID #:	7671	Br.	27	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Steel			Running Surface:	Anti-skid		
Curb Type:				Abutments (looking downstream)	Left	Other	
Superstructure:	Steel Box Beam				Right	Other	
Total Length (metres):	9.1	# Spans:	1	Span Width:			Span Length(s) (metres): 9.1
UTM Zone:	10		UTM Easting:	320546		UTM Northing:	6106408
Inspector Name:	John Brett			Year Superstructure Installed:			
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
General Abutment Condition	Fair	Too low, allows bridge to contact riprap apron.
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 660 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-332	Structure Name:	P118	Road Name:	BIVOUAC	Inspection Date:	2022/11/09
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Posted Load Rating (Enter 0 if sign missing)	91	
Road Surface	Good	

### DECK

<b>Span 1</b>		
Curb Rail/Blocks/Posts	Good	
Hardware	Not Applicable	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	
Steel Deck Plate	Good	

### SUPERSTRUCTURE

<b>Span 1</b>		
Bracing	Not Applicable	
Diaphragms	Unrated	N/A
Girders	Good	underside of girders in contact with riprap apron
Hardware	Not Applicable	
Under Trussing	Not Applicable	

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	2.5
	Estimated High Water Level Clearance:	0.5		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	1	Required	Medium	\$	Raise Bridge

<b>MONITORS</b>	#	Description

### Corporate Bridge Register (CBR)

Disclaimer:  
 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.  
 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 661 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-332	<b>Structure Name:</b>	P118	<b>Road Name:</b>	BIVOUAC	<b>Inspection Date:</b>	2022/11/09
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall however the installation is quite poor. One main issue with installation works is that the bridge girders are in contact with the riprap. The bridge should be lifted to allow for clearance between bridge soffits and the riprap apron. Does not appear as though bridge has been hauled on yet. PEng should assess to come up with plan for bridge elevation issue.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	P.Eng. Inspection scheduled for 2023 to look at bridge elevation. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2065		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>			<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	Yes	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/12 09:09:59			

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 662 of 1182

## Woodbox/Log Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001D

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-276	Structure Name:	G5-276	Road Name:	GLOSSY	Inspection Date:	2022/11/08
KM:	0.60	User km:	0.60	Crossing Name:	Unnamed Creek	Next Inspection Date:	2024/11/08
Project File ID #:	7671	Br.	37	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Box		Culvert Material:	Log			
Inlet Cover (mm):			Outlet Cover (mm):				
Footing Type:			Gradient (%):				
Culvert Length (metres):	5.0	Opening Height (mm):	1,500	Opening Width (mm):	5,000		
UTM Zone:	10	UTM Easting:	355869	UTM Northing:	6116581		
Inspector Name:	John Brett		Year Superstructure Installed:	2022			
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left <small>(approaching structure)</small>	0	
Delineator Missing Right <small>(approaching structure)</small>	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	Fill over stringers

### WOODBBOX CULVERT

Stringer #	Stringer Rot Depth	Diameter	Stringer Species	Comments
1	0	440	Spruce	
2	0	440	Spruce	
3	0	470	Spruce	
4	0	440	Spruce	
5	0	450	Spruce	
6	0	440	Spruce	
7	0	450	Spruce	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 663 of 1182

## Woodbox/Log Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001D

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-276	<b>Structure Name:</b>	G5-276	<b>Road Name:</b>	GLOSSY	<b>Inspection Date:</b>	2022/11/08
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8	0	420	Spruce	
9	0	440	Spruce	
10	0	390	Spruce	
11	0	400	Spruce	

<b>Fill</b>	Good	
<b>Inlet</b>	Excellent	
<b>Outlet</b>	Good	
<b>Overall</b>	Good	
<b>Riprap</b>	Not Applicable	
<b>Roof</b>	Unrated	Log stringer
<b>Trash Rack</b>	Not Applicable	
<b>Wiers/Backwater Structures</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.0	<b>Estimated Present Water Level Width:</b>	0.0
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

<b>MONITORS</b>	#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 664 of 1182

## Woodbox/Log Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001D

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-276	<b>Structure Name:</b>	G5-276	<b>Road Name:</b>	GLOSSY	<b>Inspection Date:</b>	2022/11/08
<b>GENERAL</b>	<b>Inspector's Comment:</b>	<p>Structure is a freshly constructed wood box culvert. Structure type should be updated in CBR to reflect this and include stringer information.</p> <p>Spruce components</p> <p>Span - 5 meters</p> <p>1 - 440 mm</p> <p>2 - 440 mm</p> <p>3 - 470 mm</p> <p>4 - 440 mm</p> <p>5 - 450 mm</p> <p>6 - 440 mm</p> <p>7 - 450 mm</p> <p>8 - 420 mm</p> <p>9 - 440 mm</p> <p>10 - 390 mm</p> <p>11 - 400 mm</p> <p>No rot on any components. PEng to load rate and certify?</p>					
	<b>PEng's Comment:</b>	<p>New wooden log culvert installed in 2021. Load rating is set to 5 tonnes until load analysis or assurance is received. BH</p>					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2027	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		5	<b>Design Load GVW (tonnes):</b>		<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>		No	<b>Report Status:</b> Reviewed By Bruce Henderson on 2022/12/13 10:18:06			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 665 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-277	Structure Name:	P117	Road Name:	GLOSSY	Inspection Date:	2023/09/04
KM:	1.10	User km:	1.10	Crossing Name:	Un-named	Next Inspection Date:	2025/09/04
Project File ID #:	7671	Br.	37	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Steel			Running Surface:	Anti-skid		
Curb Type:				Abutments (looking downstream)	Left	Sill -Temporary Materials	
Superstructure:	Steel Box Beam				Right	Sill -Temporary Materials	
Total Length (metres):	9.1	# Spans:	1	Span Width:		Span Length(s) (metres):	9.1
UTM Zone:	10		UTM Easting:	356341		UTM Northing:	6116485
Inspector Name:	John Brett			Year Superstructure Installed:			
Access:	Temporary structure installed in 2021. Certified for 5 years. BH						

### ABUTMENTS

Bearings	Poor	Bearing plates and log sills do not align
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Poor	small logs used as sills and do not align with bearing plates on the portable bridge.
Fill	Good	
Hardware	Not Applicable	
Piles or Posts	Not Applicable	
Riprap	Fair	rounded
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Fair	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 666 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G5-277 Structure Name: P117 Road Name: GLOSSY Inspection Date: 2023/09/04

### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Hardware	Not Applicable	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	
Steel Deck Plate	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	1.0
	Estimated High Water Level Clearance:	0.4		

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

REPAIRS	#	Status	Priority	Estimate	Description
	1	Required	Medium	\$	Riprap is impacting structue box beam in places and needs to be lowered.
	2	Required	Medium	\$	Upgrade sills to timbers or ripped logs with minimum 40cm bearing surface.

MONITORS	#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 667 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-277	<b>Structure Name:</b>	P117	<b>Road Name:</b>	GLOSSY	<b>Inspection Date:</b>	2023/09/04
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure does not bear well on the bearing plates. Should be reconstructed with proper bearing plate to sill cap alignment. front sill logs bear directly on box beam where not designed for compression loading. Should reduce load rating until repair occurs. Also some riprap is contacting the underside of the box beam girders. Should reconstruct riprap apronn when addressing sills.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Load restriction is warranted. Reduced to 5 tonnes due to shifted sills logs with improper bearing. Reinstall sill logs as indicated in repair items. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2065	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	5	<b>Design Load GVW (tonnes):</b>		<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/01 11:53:27			

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 668 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-248	<b>Structure Name:</b>	G5-931	<b>Road Name:</b>	WILLY	<b>Inspection Date:</b>	2022/11/07	
<b>KM:</b>	1.33	<b>User km:</b>	1.33	<b>Crossing Name:</b>	Unknown	<b>Next Inspection Date:</b>	2025/11/07	
<b>Project File ID #:</b>	7671	<b>Br.</b>	50	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Not Available			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	18.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	18
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	358403		<b>UTM Northing:</b>	6084173	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2007			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Fair	Blocks are in good shape but settling on each abutment
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	30	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 669 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-248	<b>Structure Name:</b>	G5-931	<b>Road Name:</b>	WILLY	<b>Inspection Date:</b>	2022/11/07
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<b>Road Surface</b>	Fair	
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### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Fair	soft / rotten
<b>Deck to Girder Bolts</b>	Fair	some missing
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Fair	
<b>Overall Deck Condition</b>	Fair	
<b>Running Planks</b>	Fair	
<b>Sub Deck</b>	Good	
<b>Ties</b>	Good	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	2.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	5	Required	Medium		Replace guardrails
	6	Required	High		Replace running deck.

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 670 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-248	<b>Structure Name:</b>	G5-931	<b>Road Name:</b>	WILLY	<b>Inspection Date:</b>	2022/11/07
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	This structure has some issues to be addressed prior to industrial use. the lock blocks are settling. The Left bank abutment has a dip in the center of the Lock Block Abutment. The Downstream side of the Right Bank abutment is settling. Guardrail timbers are soft and should be replaced. the wear deck is also getting soft and should be replaced for heavier traffic. Previous repair items to replace wear deck and rebuild lock block abutments still stand. Guardrail replacement added to repairs after this inspection. Abutments appear to be in similar condition to previous inspections.				
	<b>PEng's Comment:</b>	P.Eng. inspection done in 2022. No further movement of abutments observed. Rated at 91 tonnes. Bridge running deck and guard rails need replacing. BH				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2057	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 15:58:54		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 671 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-255	<b>Structure Name:</b>	G5-255	<b>Road Name:</b>	HART	<b>Inspection Date:</b>	2022/11/07
<b>KM:</b>	1.10	<b>User km:</b>	1.10	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2025/11/07
<b>Project File ID #:</b>	7671	<b>Br.</b>	52	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Not Available		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks	
<b>Superstructure:</b>	Steel Truss/Bailey/Acrow				<b>Right</b>	Concrete Lock Blocks	
<b>Total Length (metres):</b>	9.1	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	9.1
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	386003		<b>UTM Northing:</b>	6063255
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	2002			
<b>Access:</b>	Road starts at km 6.5 on the Tanizul FSR.						

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Good	treated timber sills
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Fair	Damaged but functional
<b>Posted Load Rating (Enter 0 if sign missing)</b>	2	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 672 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-255	<b>Structure Name:</b>	G5-255	<b>Road Name:</b>	HART	<b>Inspection Date:</b>	2022/11/07
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<b>Road Surface</b>	Fair	
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### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Fair	rotten and damaged
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Fair	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Fair	
<b>Running Planks</b>	Good	
<b>Sub Deck</b>	Fair	fungus from underneath
<b>Ties</b>	Fair	fungus from underneath

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Fair	some bent braces
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.0	<b>Estimated Present Water Level Width:</b>	0.0
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	6	Required	Medium	\$ 0.00	Replace timber components prior to heavy industrial use. Deck planks and guardrails

### Corporate Bridge Register (CBR)

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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 673 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-255	Structure Name:	G5-255	Road Name:	HART	Inspection Date:	2022/11/07
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	Damaged / Bent bracing appears to be consistent with previous inspections. The timber components have signs of fungus, guardrail is damaged with rot. Should replace all wooden components for industrial use. Load rating posted at 2 tonnes. Should be assessed by PEng prior to heavy industrial use to load rating.				
	PEng's Comment:	Replace all untreated wooden components before industrial use. Bridge downrated to 10 tonnes. BH				
<b>GENERAL</b>	Estimated Load Restriction (year):	2025	Estimated Replacement (year):			
	Current Inspection Load Rating:	10	Design Load GVW (tonnes):	68	Design Vehicle Config.:	L75
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/12/08 15:11:32		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 674 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-256	<b>Structure Name:</b>	G5-256	<b>Road Name:</b>	HART	<b>Inspection Date:</b>	2022/11/07	
<b>KM:</b>	3.50	<b>User km:</b>	3.50	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2025/11/07	
<b>Project File ID #:</b>	7671	<b>Br.</b>	52	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Precast		
<b>Superstructure:</b>	Steel Truss/Bailey/Acrow				<b>Right</b>	Concrete Precast		
<b>Total Length (metres):</b>	9.1	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	9.1
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	384950		<b>UTM Northing:</b>	6065284	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2002			
<b>Access:</b>	road is at km 6.5 on the Tanizul FSR.							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Precast</b>	Good	settling on Right Bank Abutment
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	1	
<b>Delineator Missing Right (approaching structure)</b>	1	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 675 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-256	Structure Name:	G5-256	Road Name:	HART	Inspection Date:	2022/11/07
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Road Surface	Fair	
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Poor	rotten / replace
Deck to Girder Bolts	Good	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Fair	
Running Planks	Fair	
Sub Deck	Fair	
Ties	Fair	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.0	Estimated Present Water Level Width:	0.0
	Estimated High Water Level Clearance:	1.4		

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

REPAIRS	#	Status	Priority	Estimate	Description
		3	Required	High	
	4	Not Required	Medium	\$	Rebuild abutments
	5	Required	Low		Install bridge ahead signs and delineators

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 676 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-256	<b>Structure Name:</b>	G5-256	<b>Road Name:</b>	HART	<b>Inspection Date:</b>	2022/11/07
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<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	3	Settlement of lock blocks on right side abutment.

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure will require work for heavy industrial traffic. The Right Bank lock blocks have settled leaving a gap between the lock blocks and the timber cap. The timber deck and guardrail components are also soft with pocket rot and should be replaced for heavier traffic. PEng to confirm load rating once repairs complete.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Replace all untreated wooden components before industrial use. Bridge downrated to 10 tonnes until repairs are completed. BH
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2020	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	10	<b>Design Load GVW (tonnes):</b>	68	<b>Design Vehicle Config.:</b>	L75
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/08 15:24:53		

### Corporate Bridge Register (CBR)

Disclaimer:  
 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.  
 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 677 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-231	<b>Structure Name:</b>	G5-231	<b>Road Name:</b>	CURTIS	<b>Inspection Date:</b>	2022/10/21
<b>KM:</b>	0.15	<b>User km:</b>	0.15	<b>Crossing Name:</b>	Unnamed	<b>Next Inspection Date:</b>	2025/10/21
<b>Project File ID #:</b>	7671	<b>Br.</b>	64	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Open Bottom		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>			<b>Outlet Cover (mm):</b>				
<b>Footing Type:</b>	Precast Concrete Footing		<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	23.3	<b>Opening Height (mm):</b>	1,840	<b>Opening Width (mm):</b>	4,298		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	372822	<b>UTM Northing:</b>	6106125		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	2010			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Good	
<b>Coupled Connections</b>	Not Applicable	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Not Applicable	
<b>Footing</b>	Good	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 678 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-231	<b>Structure Name:</b>	G5-231	<b>Road Name:</b>	CURTIS	<b>Inspection Date:</b>	2022/10/21
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.0	<b>Estimated Present Water Level Width:</b>	0.0
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall, no issues noted. Stream dry during inspection.

<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 679 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-231	<b>Structure Name:</b>	G5-231	<b>Road Name:</b>	CURTIS	<b>Inspection Date:</b>	2022/10/21
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2050	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		68	<b>Design Load GVW (tonnes):</b>		68	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/12/09 15:55:40		

### Corporate Bridge Register (CBR)

Disclaimer:  
 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.  
 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 680 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-230	<b>Structure Name:</b>	G5-230	<b>Road Name:</b>	CURTIS	<b>Inspection Date:</b>	2022/10/21	
<b>KM:</b>	0.23	<b>User km:</b>	0.23	<b>Crossing Name:</b>	Unnamed	<b>Next Inspection Date:</b>	2025/10/21	
<b>Project File ID #:</b>	7671	<b>Br.</b>	64	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	15.2	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	15.2
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	372877		<b>UTM Northing:</b>	6106186	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1998			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Excellent	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	1	
<b>Fender Condition</b>	Fair	realign us right bank fender
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	should reduce

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 681 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-230	<b>Structure Name:</b>	G5-230	<b>Road Name:</b>	CURTIS	<b>Inspection Date:</b>	2022/10/21
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<b>Road Surface</b>	Good	
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### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Poor	rot, some broken
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Fair	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Fair	
<b>Overall Deck Condition</b>	Fair	
<b>Running Planks</b>	Poor	rotten and worn
<b>Sub Deck</b>	Fair	
<b>Ties</b>	Fair	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	3.6
	<b>Estimated High Water Level Clearance:</b>	1.7		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
		3	Required	Low	
	4	Required	Low		Realign approach barriers
	5	Required	High		Replace timber deck structure panels.

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 682 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-230	<b>Structure Name:</b>	G5-230	<b>Road Name:</b>	CURTIS	<b>Inspection Date:</b>	2022/10/21
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure requires timber deck replacement for industrial traffic. There is currently a 91t load rating sign at site. This should be reduced to a lighter rating. Upstream Right Bank approach fenders should be repositioned. No beaver activity noted during this inspection				
	<b>PEng's Comment:</b>	1600mm overflow pipe adjacent to bridge on town side. Bridge downrated to 30 tonnes until repairs are done to decking. BH				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2043	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	30	<b>Design Load GVW (tonnes):</b>		<b>Design Vehicle Config.:</b>	L75
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 15:53:54		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 683 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-840	Structure Name:	G5-952	Road Name:	ALEXANDER	Inspection Date:	2022/11/11
KM:	0.20	User km:	0.20	Crossing Name:	Unknown	Next Inspection Date:	2025/11/11
Project File ID #:	7671	Br.	65	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel I-beam				Right	Concrete Lock Blocks	
Total Length (metres):	15.2	# Spans:	1	Span Width:		Span Length(s) (metres):	15
UTM Zone:	10		UTM Easting:	373028		UTM Northing:	6107728
Inspector Name:	John Brett			Year Superstructure Installed:	2015		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Concrete Lock Blocks	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Fair	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	one corner knocked over
Posted Load Rating (Enter 0 if sign missing)	63.5	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 684 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-840	Structure Name:	G5-952	Road Name:	ALEXANDER	Inspection Date:	2022/11/11
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Road Surface	Fair
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good
Deck to Girder Bolts	Good
Hardware	Good
Hand Rails/Walkouts	Not Applicable
Nails	Good
Overall Deck Condition	Good
Running Planks	Good
Sub Deck	Good
Ties	Good

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	1.0
	Estimated High Water Level Clearance:	0.2		

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

REPAIRS	#	Status	Priority	Estimate	Description
	4	Required	Low	\$	Reinstall approach fenders that were knocked over on one corner

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 685 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-840	Structure Name:	G5-952	Road Name:	ALEXANDER	Inspection Date:	2022/11/11
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall. Fenders on one corner are knocked over. Bridge is low clearance and saturated around the lock block abutments. May be settling but appears stable at this point - Monitor item, see pics. PEng should assess abutments if bridge required for heavy industrial traffic.				
	<b>PEng's Comment:</b>	P.Eng inspection not required. No signs of movement of lock blocks. BH				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2025	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	64	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 10:07:41		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 686 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-841	Structure Name:	P025	Road Name:	ALEXANDER	Inspection Date:	2022/09/15
KM:	1.50	User km:	1.50	Crossing Name:	Unknown	Next Inspection Date:	2024/09/15
Project File ID #:	7671	Br.	65	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Crib, Log or Untreated Timber	
Superstructure:	Steel I-beam				Right	Crib, Log or Untreated Timber	
Total Length (metres):	10.3	# Spans:	1	Span Width:			Span Length(s) (metres): 10
UTM Zone:	10		UTM Easting:	374051		UTM Northing:	6108302
Inspector Name:	Dustin Anderberg			Year Superstructure Installed:	2015		
Access:							

### ABUTMENTS

Bearings	Poor	Crushing
Bracing	Good	
Ballast Wall	Fair	Cribs
Corrosion Protection	Not Applicable	
Caps or Sills	Poor	Log bearing and crushing
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Not Applicable	
Tie-backs	Fair	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Poor	High chain missing
Road Surface	Good	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 687 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G5-841 Structure Name: P025 Road Name: ALEXANDER Inspection Date: 2022/09/15

### DECK

#### Span 1

Curb Rail/Blocks/Posts	Poor	Rotten needs replacing
Deck to Girder Bolts	Fair	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Poor	Needs replacing
Overall Deck Condition	Poor	Replace deck and curbs
Running Planks	Poor	Needs replacing
Sub Deck	Poor	Needs replacing
Ties	Fair	

### SUPERSTRUCTURE

#### Span 1

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

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	0.3
	Estimated High Water Level Clearance:	0.6		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 688 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-841	Structure Name:	P025	Road Name:	ALEXANDER	Inspection Date:	2022/09/15
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REPAIRS	#	Status	Priority	Estimate	Description
	10	Required	Medium	\$ 1.00	Replace all fenders
	11	Required	Low	\$ 1.00	Brushing required
	12	Required	High	\$ 1.00	Minor redecking. Worn running surface and needs replacing
	13	Required	High	\$ 1.00	Rotten guard rails (curbs) and needs replacing
	14	Required	High	\$ 1.00	Replace timber bearing
	15	Required	Low		Install bridge ahead signs and delineators.

MONITORS	#	Description

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GENERAL	Inspector's Comment:	Log bearing crushing, full deck mods need replacing, Fenders are missing or non-functional. DA
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GENERAL	PEng's Comment:	Bridge could be downrated at any time due to rotting sills, decking and guard rails. Address repair items as soon as possible, BH
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GENERAL	Estimated Load Restriction (year):		2030	Estimated Replacement (year):		
	Current Inspection Load Rating:	68	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/12/09 11:51:48		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 689 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-570	<b>Structure Name:</b>	G5-570	<b>Road Name:</b>	JEAN MARIE	<b>Inspection Date:</b>	2021/09/22
<b>KM:</b>	1.70	<b>User km:</b>	1.70	<b>Crossing Name:</b>	Un-named Creek	<b>Next Inspection Date:</b>	2024/09/22
<b>Project File ID #:</b>	7671	<b>Br.</b>	68	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Steel			<b>Running Surface:</b>	Anti-skid		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks	
<b>Superstructure:</b>	Steel Box Beam				<b>Right</b>	Concrete Lock Blocks	
<b>Total Length (metres):</b>	12.2	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	12
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	391982		<b>UTM Northing:</b>	6109102
<b>Inspector Name:</b>	Dawson Smith			<b>Year Superstructure Installed:</b>	2016		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Fair	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Poor	some out of place
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 690 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-570	Structure Name:	G5-570	Road Name:	JEAN MARIE	Inspection Date:	2021/09/22
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Road Surface	Good	
<b>DECK</b>		
<b>Span 1</b>		
Curb Rail/Blocks/Posts	Good	
Hardware	Not Applicable	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	
Steel Deck Plate	Good	
<b>SUPERSTRUCTURE</b>		
<b>Span 1</b>		
Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Not Applicable	
Under Trussing	Not Applicable	

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.5	Estimated Present Water Level Width:	4.0
	Estimated High Water Level Clearance:	1.0		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	1	Required	Medium	\$ 0.00	Reposition approach fenders

<b>MONITORS</b>	#	Description

**Corporate Bridge Register (CBR)**

Disclaimer:  
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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 691 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-570	<b>Structure Name:</b>	G5-570	<b>Road Name:</b>	JEAN MARIE	<b>Inspection Date:</b>	2021/09/22
<b>GENERAL</b>	<b>Inspector's Comment:</b>	water is against lock blocks No issues. GZ					
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2041	<b>Estimated Replacement (year):</b>	2041			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/10 17:18:49			

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 692 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-571	<b>Structure Name:</b>	G5-571	<b>Road Name:</b>	JEAN MARIE	<b>Inspection Date:</b>	2022/11/11	
<b>KM:</b>	2.10	<b>User km:</b>	2.10	<b>Crossing Name:</b>	Jean Marie Creek	<b>Next Inspection Date:</b>	2025/11/11	
<b>Project File ID #:</b>	7671	<b>Br.</b>	68	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated - Panels			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Steel Pipe and Precast Pad		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Steel Pipe and Precast Pad		
<b>Total Length (metres):</b>	18.3	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	18
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	392146		<b>UTM Northing:</b>	6109290	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2016			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Good	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	1	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	
<b>Road Surface</b>	Fair	rough / potholes

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 693 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-571	Structure Name:	G5-571	Road Name:	JEAN MARIE	Inspection Date:	2022/11/11
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	some rub damage, good overall
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	minor wear
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	2.0	Estimated Present Water Level Width:	3.0
Estimated High Water Level Clearance:	1.8		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
2	Required	Low		install 1 right delineator
3	Required	Low		Approach grading to repair potholes
4	Required	Low		Replace broken riser block - 1 piece of 10x10 x 2ft timber

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 694 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-571	<b>Structure Name:</b>	G5-571	<b>Road Name:</b>	JEAN MARIE	<b>Inspection Date:</b>	2022/11/11
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall. Would benefit from some approach grading to smooth out potholes. One broken riser block identified during inspection.				
	<b>PEng's Comment:</b>	No concerns. BH				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2061	<b>Estimated Replacement (year):</b>	2061		
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 09:35:04		

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 695 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-572	Structure Name:	G5-572	Road Name:	JEAN MARIE	Inspection Date:	2021/09/22
KM:	3.20	User km:	3.20	Crossing Name:	Un-named Creek	Next Inspection Date:	2024/09/22
Project File ID #:	7671	Br.	68	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel I-beam				Right	Concrete Lock Blocks	
Total Length (metres):	12.2	# Spans:	1	Span Width:			Span Length(s) (metres): 12
UTM Zone:	10		UTM Easting:	391950		UTM Northing:	6110334
Inspector Name:	Dawson Smith			Year Superstructure Installed:	2016		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Concrete Lock Blocks	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Poor	some out of place and damaged
Posted Load Rating (Enter 0 if sign missing)	0	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 696 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-572	Structure Name:	G5-572	Road Name:	JEAN MARIE	Inspection Date:	2021/09/22
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Road Surface	Good	
<b>DECK</b>		
<b>Span 1</b>		
Curb Rail/Blocks/Posts	Fair	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

<b>SUPERSTRUCTURE</b>		
<b>Span 1</b>		
Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Not Applicable	

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.5	Estimated Present Water Level Width:	2.0
	Estimated High Water Level Clearance:	2.0		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	3	Required	High	\$	

### Corporate Bridge Register (CBR)

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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 697 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-572	Structure Name:	G5-572	Road Name:	JEAN MARIE	Inspection Date:	2021/09/22
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	No issues. GZ				
	PEng's Comment:					
<b>GENERAL</b>	Estimated Load Restriction (year):	2041	Estimated Replacement (year):	2041		
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/02/10 17:23:31		

**Corporate Bridge Register (CBR)**

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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 698 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-573	Structure Name:	G5-573	Road Name:	JEAN MARIE	Inspection Date:	2021/09/22
KM:	3.80	User km:	3.80	Crossing Name:	Un-named Creek	Next Inspection Date:	2024/09/22
Project File ID #:	7671	Br.	68	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Steel			Running Surface:	Anti-skid		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel Box Beam				Right	Concrete Lock Blocks	
Total Length (metres):	9.1	# Spans:	1	Span Width:			Span Length(s) (metres): 9
UTM Zone:	10		UTM Easting:	392270		UTM Northing:	6110749
Inspector Name:	Dawson Smith			Year Superstructure Installed:	2016		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Concrete Lock Blocks	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Poor	some out of place and damaged
Posted Load Rating (Enter 0 if sign missing)	0	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 699 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-573	<b>Structure Name:</b>	G5-573	<b>Road Name:</b>	JEAN MARIE	<b>Inspection Date:</b>	2021/09/22
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<b>Road Surface</b>	Fair	needs grading
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### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Good	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Overall Deck Condition</b>	Good	
<b>Running Surface</b>	Good	
<b>Steel Deck Plate</b>	Good	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Not Applicable	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
		3	Required	Medium	

<b>MONITORS</b>	#	Description

### Corporate Bridge Register (CBR)

Disclaimer:  
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 700 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-573	<b>Structure Name:</b>	G5-573	<b>Road Name:</b>	JEAN MARIE	<b>Inspection Date:</b>	2021/09/22
<b>GENERAL</b>	<b>Inspector's Comment:</b>	No issues. GZ					
<b>GENERAL</b>	<b>PEng's Comment:</b>						
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2041	<b>Estimated Replacement (year):</b>	2041			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/10 17:38:38			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 701 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-574	Structure Name:	P048	Road Name:	JEAN MARIE	Inspection Date:	2021/09/22
KM:	7.70	User km:	7.70	Crossing Name:	Un-named Creek	Next Inspection Date:	2024/09/22
Project File ID #:	7671	Br.	68	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated - Panels			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel I-beam				Right	Concrete Lock Blocks	
Total Length (metres):	15.2	# Spans:	1	Span Width:			Span Length(s) (metres): 15.2
UTM Zone:	10		UTM Easting:	391068		UTM Northing:	6113775
Inspector Name:	Dawson Smith			Year Superstructure Installed:	2017		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Concrete Lock Blocks	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	up side sign is damaged
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Poor	some out of place and damaged
Posted Load Rating (Enter 0 if sign missing)	0	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 702 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-574	<b>Structure Name:</b>	P048	<b>Road Name:</b>	JEAN MARIE	<b>Inspection Date:</b>	2021/09/22
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<b>Road Surface</b>	Fair	needs grading
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DECK		
Span 1		
Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

SUPERSTRUCTURE		
Span 1		
Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	2.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	2	Required	Medium		Realign approach fenders
	3	Required	Medium		Grade bridge approaches.

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 703 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-574	Structure Name:	P048	Road Name:	JEAN MARIE	Inspection Date:	2021/09/22
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	No issues. GZ				
	PEng's Comment:					
<b>GENERAL</b>	Estimated Load Restriction (year):	2041	Estimated Replacement (year):			
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/02/10 17:43:42		

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 704 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-576	<b>Structure Name:</b>	G4-928	<b>Road Name:</b>	JEAN MARIE	<b>Inspection Date:</b>	2023/09/04	
<b>KM:</b>	13.90	<b>User km:</b>	13.90	<b>Crossing Name:</b>	Un-named Creek	<b>Next Inspection Date:</b>	2026/09/04	
<b>Project File ID #:</b>	7671	<b>Br.</b>	68	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated - Panels			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	12.2	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	12.2
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	386625		<b>UTM Northing:</b>	6117228	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2018			
<b>Access:</b>	Check road							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Fair	Scour noted at toe of riprap apron on left abutment - monitor - see pics
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Fair	some concrete impacted and scarred
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 705 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-576	<b>Structure Name:</b>	G4-928	<b>Road Name:</b>	JEAN MARIE	<b>Inspection Date:</b>	2023/09/04
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<b>Road Surface</b>	Good	
<b>DECK</b>		
<b>Span 1</b>		
<b>Curb Rail/Blocks/Posts</b>	Good	
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Good	
<b>Running Planks</b>	Good	
<b>Sub Deck</b>	Good	
<b>Ties</b>	Good	

<b>SUPERSTRUCTURE</b>		
<b>Span 1</b>		
<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	5.0
	<b>Estimated High Water Level Clearance:</b>	2.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 706 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-576	Structure Name:	G4-928	Road Name:	JEAN MARIE	Inspection Date:	2023/09/04
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<b>MONITORS</b>	#	Description
	1	Monitor scour on left bank abutment - see pics. Consistent for last 2 inspections. Geotextile exposed.

<b>GENERAL</b>	Inspector's Comment:	Structure is in good shape overall. Minor scour noted at toe of riprap apron, geotextil exposed on left bank abutment - monitor Appears as though scour exists in previous pictures to a similar extent.
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<b>GENERAL</b>	PEng's Comment:	Install missing delineators. Otherwise in good shape. BH
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<b>GENERAL</b>	Estimated Load Restriction (year):	2068	Estimated Replacement (year):			
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2023/11/02 14:58:58		

### Corporate Bridge Register (CBR)

Disclaimer:  
 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.  
 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 707 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-575	Structure Name:	P049	Road Name:	TAMASGALE	Inspection Date:	2022/11/11
KM:	4.20	User km:	4.20	Crossing Name:	Un-named Creek	Next Inspection Date:	2024/11/11
Project File ID #:	7671	Br.	70	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Steel			Running Surface:	Anti-skid		
Curb Type:				Abutments (looking downstream)	Left	Sill -Temporary Materials	
Superstructure:	Steel Box Beam				Right	Sill -Temporary Materials	
Total Length (metres):	15.2	# Spans:	1	Span Width:		Span Length(s) (metres):	15.2
UTM Zone:	10		UTM Easting:	389079		UTM Northing:	6112405
Inspector Name:	John Brett			Year Superstructure Installed:			
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Good	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	2	
Delineator Missing Right (approaching structure)	1	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	91	
Road Surface	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 708 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-575	Structure Name:	P049	Road Name:	TAMASGALE	Inspection Date:	2022/11/11
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Hardware	Not Applicable	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	
Steel Deck Plate	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Not Applicable	
Diaphragms	Unrated	N/A
Girders	Good	
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:	0.8		

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

REPAIRS	#	Status	Priority	Estimate	Description

MONITORS	#	Description

GENERAL	Inspector's Comment:	Bridge is in good shape overall. Would benefit from cleaning deck and adding delineators. Repair items added previously but have not been addressed.
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### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 709 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-575	<b>Structure Name:</b>	P049	<b>Road Name:</b>	TAMASGALE	<b>Inspection Date:</b>	2022/11/11
<b>GENERAL</b>	<b>PEng's Comment:</b>	No issues. BH					
	<b>Estimated Load Restriction (year):</b>	2057		<b>Estimated Replacement (year):</b>			
<b>GENERAL</b>	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 09:40:35			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 710 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-270	<b>Structure Name:</b>	G5-270A	<b>Road Name:</b>	KEVE	<b>Inspection Date:</b>	2023/09/04	
<b>KM:</b>	3.20	<b>User km:</b>	3.20	<b>Crossing Name:</b>	Upper Keve Creek	<b>Next Inspection Date:</b>	2026/09/04	
<b>Project File ID #:</b>	7671	<b>Br.</b>	72	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated - Panels			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Steel Pipe and Precast Pad		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Steel Pipe and Precast Pad		
<b>Total Length (metres):</b>	18.3	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	18
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	355152		<b>UTM Northing:</b>	6117477	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2009			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 711 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-270	Structure Name:	G5-270A	Road Name:	KEVE	Inspection Date:	2023/09/04
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Excellent	
Deck to Girder Bolts	Good	
Hardware	Excellent	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Excellent	
Running Planks	Excellent	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	2.0
Estimated High Water Level Clearance:	1.7		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 712 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-270	<b>Structure Name:</b>	G5-270A	<b>Road Name:</b>	KEVE	<b>Inspection Date:</b>	2023/09/04
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in very good shape overall. Previous recommendations for decking and curb replacement recently complete and can be removed from the recommendations.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Deck and guard rails replaced. Bridge good. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2029	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/06 13:22:13			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 713 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-271	Structure Name:	G5-965	Road Name:	KEVE	Inspection Date:	2022/11/08
KM:	5.80	User km:	5.80	Crossing Name:	Unnamed	Next Inspection Date:	2025/11/08
Project File ID #:	7671	Br.	72	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Treated - Panels			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel I-beam				Right	Concrete Lock Blocks	
Total Length (metres):	12.2	# Spans:	1	Span Width:			Span Length(s) (metres): 12.2
UTM Zone:	10		UTM Easting:	354235		UTM Northing:	6115393
Inspector Name:	John Brett			Year Superstructure Installed:	2009		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Concrete Lock Blocks	Good	
Corrosion Protection	Good	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	One bullnose section knocked over
Posted Load Rating (Enter 0 if sign missing)	0	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 714 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-271	Structure Name:	G5-965	Road Name:	KEVE	Inspection Date:	2022/11/08
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Road Surface	Fair	rough
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	1.0
	Estimated High Water Level Clearance:	0.6		

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

REPAIRS	#	Status	Priority	Estimate	Description
	2	Required	Low	\$ 0.00	Brush out approaches
	3	Required	Low		Grade out approaches
	4	Required	Low		Reinstall bullnose that is knocked over

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 715 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-271	<b>Structure Name:</b>	G5-965	<b>Road Name:</b>	KEVE	<b>Inspection Date:</b>	2022/11/08
<b>MONITORS</b>	#	Description					
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in very good shape overall. One bullnose section of approach barriers is knocked over.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 16:01:31			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 716 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-020	<b>Structure Name:</b>	G4-020	<b>Road Name:</b>	HOLY CROSS	<b>Inspection Date:</b>	2022/07/20
<b>KM:</b>	14.10	<b>User km:</b>	114.10	<b>Crossing Name:</b>	Irish Creek	<b>Next Inspection Date:</b>	2025/07/20
<b>Project File ID #:</b>	7724	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	5,000		<b>Outlet Cover (mm):</b>	6,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	39.0	<b>Opening Height (mm):</b>	1,600	<b>Opening Width (mm):</b>	1,600		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	386321	<b>UTM Northing:</b>	5978062		
<b>Inspector Name:</b>	Warren Wilkinson		<b>Year Superstructure Installed:</b>	1981			
<b>Access:</b>	During 2022 inspect culvert was found to have high volume of water flow, keep on inspection schedule						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	1	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	2	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	2	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Good	Rivets not bolts
<b>Coupled Connections</b>	Not Applicable	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 717 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-020	<b>Structure Name:</b>	G4-020	<b>Road Name:</b>	HOLY CROSS	<b>Inspection Date:</b>	2022/07/20
<b>Inlet</b>	Good						
<b>Outlet</b>	Fair	water was flowing outside defined channel, becoming braided					
<b>Overall</b>	Good						
<b>Riprap</b>	Not Applicable						
<b>Roof</b>	Excellent						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Good						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	Yes	<b>Aggradation:</b>	No
	<b>Comment:</b>	water outside defined channel at outlet debris at inlet								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	1	Debris at inlet
	2	stream at culvert outlet for not following defined channel

<b>GENERAL</b>	<b>Inspector's Comment:</b>	
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<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH
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### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 718 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-020	<b>Structure Name:</b>	G4-020	<b>Road Name:</b>	HOLY CROSS	<b>Inspection Date:</b>	2022/07/20
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2026	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b> L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/11/22 09:33:16		

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 719 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-021	<b>Structure Name:</b>	G4-021	<b>Road Name:</b>	HOLY CROSS	<b>Inspection Date:</b>	2021/06/13
<b>KM:</b>	15.10	<b>User km:</b>	115.10	<b>Crossing Name:</b>	Smith Creek	<b>Next Inspection Date:</b>	2024/06/13
<b>Project File ID #:</b>	7724	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	5,200		<b>Outlet Cover (mm):</b>	8,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>	5.0			
<b>Culvert Length (metres):</b>	50.6	<b>Opening Height (mm):</b>	2,100	<b>Opening Width (mm):</b>	2,100		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	386576	<b>UTM Northing:</b>	5977248		
<b>Inspector Name:</b>	Dawson Smith		<b>Year Superstructure Installed:</b>	1979			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Fair	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Fair	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 720 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-021	<b>Structure Name:</b>	G4-021	<b>Road Name:</b>	HOLY CROSS	<b>Inspection Date:</b>	2021/06/13
<b>Inlet</b>	Good						
<b>Outlet</b>	Fair						
<b>Overall</b>	Fair						
<b>Riprap</b>	Not Applicable						
<b>Roof</b>	Fair	some deformation					
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.5	<b>Estimated Present Water Level Width:</b>	0.5
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

<b>MONITORS</b>	#	Description
	1	monitor deformation in roof

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Insufficient pictures, coupled, not bolted.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Inspection good enough to accept. CP
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### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 721 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-021	<b>Structure Name:</b>	G4-021	<b>Road Name:</b>	HOLY CROSS	<b>Inspection Date:</b>	2021/06/13	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2029	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Colton Polsom on 2022/05/31 14:07:21				

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 722 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-022	Structure Name:	G4-022	Road Name:	HOLY CROSS	Inspection Date:	2023/09/06
KM:	31.10	User km:	131.10	Crossing Name:	Cabin Creek	Next Inspection Date:	2026/09/06
Project File ID #:	7724	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Open Bottom		Culvert Material:	Corrugated Steel			
Inlet Cover (mm):	1,400		Outlet Cover (mm):	1,400			
Footing Type:	Precast Concrete Footing		Gradient (%):				
Culvert Length (metres):	23.0	Opening Height (mm):	4,416	Opening Width (mm):	10,860		
UTM Zone:	10	UTM Easting:	378643	UTM Northing:	5966967		
Inspector Name:	John Brett		Year Superstructure Installed:	1995			
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Excellent	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Good	
Coupled Connections	Not Applicable	
Coating	Good	
Embedment Materials	Not Applicable	
Fill	Good	
Floor	Good	
Footing	Good	
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 723 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-022	<b>Structure Name:</b>	G4-022	<b>Road Name:</b>	HOLY CROSS	<b>Inspection Date:</b>	2023/09/06
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	3.1
	<b>Estimated High Water Level Clearance:</b>	4.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in very good shape overall.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Good. BH
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 724 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-022	<b>Structure Name:</b>	G4-022	<b>Road Name:</b>	HOLY CROSS	<b>Inspection Date:</b>	2023/09/06	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2035	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/11/02 09:22:32			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 725 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-023	Structure Name:	G4-023	Road Name:	HOLY CROSS	Inspection Date:	2002/07/24
KM:	41.70	User km:	141.70	Crossing Name:	Targe Creek	Next Inspection Date:	2030/08/01
Project File ID #:	7724	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round		Culvert Material:	Corrugated Steel			
Inlet Cover (mm):	5,000		Outlet Cover (mm):	5,000			
Footing Type:			Gradient (%):	2.0			
Culvert Length (metres):	24.0	Opening Height (mm):	1,800	Opening Width (mm):	1,800		
UTM Zone:	10	UTM Easting:	374923	UTM Northing:	5958945		
Inspector Name:	Tim Silbernagel		Year Superstructure Installed:	1982			
Access:							

### APPROACHES

Bridge Ahead Signs Missing	2	No Comment Available -Converter.RNI
Delineator Missing Left (approaching structure)	2	No Comment Available -Converter.RNI
Delineator Missing Right (approaching structure)	2	No Comment Available -Converter.RNI
Posted Load Rating (Enter 0 if sign missing)	0.0	No Comment Available -Converter.RNI
Road Surface	Good	No Comment Available -Converter.RNI

### CULVERT ELEMENT

Coupled Connections	Good	No Comment Available -Converter.RNI
Coating	Fair	No Comment Available -Converter.RNI
Fill	Good	No Comment Available -Converter.RNI
Floor	Good	No Comment Available -Converter.RNI
Inlet	Good	No Comment Available -Converter.RNI
Outlet	Good	No Comment Available -Converter.RNI
Riprap	Fair	No Comment Available -Converter.RNI
Roof	Good	No Comment Available -Converter.RNI
Side Walls	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 726 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-023	<b>Structure Name:</b>	G4-023	<b>Road Name:</b>	HOLY CROSS	<b>Inspection Date:</b>	2002/07/24			
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>						
	<b>Estimated High Water Level Clearance:</b>			1.0						
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	Yes	<b>Aggradation:</b>	No
	<b>Comment:</b>									
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>					
<b>MONITORS</b>	<b>#</b>	<b>Description</b>								
	1	Monitor scour at inlet. (very minor, no problems TS2002)								
<b>GENERAL</b>	<b>Inspector's Comment:</b>	nullCulvert: 9) large screen laying by outlet but not required 11) rusty bottom 12) no scour, slow creek.								
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments								
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2032	<b>Estimated Replacement (year):</b>					
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>		No	<b>Report Status:</b>		Accepted By IDIR\RMGETZLA on 2012/04/12 16:25:39				

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 727 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-024	<b>Structure Name:</b>	G4-024	<b>Road Name:</b>	HOLY CROSS	<b>Inspection Date:</b>	2022/10/20	
<b>KM:</b>	59.80	<b>User km:</b>	158.80	<b>Crossing Name:</b>	Cheslatta River	<b>Next Inspection Date:</b>	2025/10/20	
<b>Project File ID #:</b>	7724	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Asphalt			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Cast in Place		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Cast in Place		
<b>Total Length (metres):</b>	37.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	37
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	370955		<b>UTM Northing:</b>	5945487	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1982			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Cast in Place</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Fair	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Good	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	Dirty and bullet holes, should replace
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 728 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-024	<b>Structure Name:</b>	G4-024	<b>Road Name:</b>	HOLY CROSS	<b>Inspection Date:</b>	2022/10/20
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<b>Road Surface</b>	Excellent
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### DECK

#### Span 1

<b>Concrete Deck</b>	Good	Asphalt overlay
<b>Curb Rail/Blocks/Posts</b>	Good	
<b>Deck Joints</b>	Good	
<b>Grout Pockets</b>	Good	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Good	
<b>Overall Deck Condition</b>	Good	
<b>Running Surface</b>	Good	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	2.6	<b>Estimated Present Water Level Width:</b>	12.0
	<b>Estimated High Water Level Clearance:</b>	2.4		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	Yes	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	Fast paced high volume water flow from dam release.								

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	13	Required	Medium	\$	Install paraseal in joints at ballast walls
14	Required	Low	\$ 600.00	Install 4 delineators	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 729 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-024	Structure Name:	G4-024	Road Name:	HOLY CROSS	Inspection Date:	2022/10/20
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MONITORS	#	Description
GENERAL	<b>Inspector's Comment:</b>	Structure is in good shape overall. Wing wall cracks appear to be superficial and not an issue at this point. Right bank abutment photos compared and appear to be similar. Delineators have been shot up and are dirty, should be replaced. Also noted is that the paraseal joint between the ballast walls and A-Panels on both ends of the bridge are missing.
	<b>PEng's Comment:</b>	Install paraseal at LC abutment deck joint. No other concerns. BH
GENERAL	<b>Estimated Load Restriction (year):</b> 2030 <b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b> 91	<b>Design Load GVW (tonnes):</b> 91 <b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b> No	<b>Report Status:</b> Reviewed By Bruce Henderson on 2022/12/08 12:23:41

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 730 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-025	Structure Name:	G4-025	Road Name:	HOLY CROSS	Inspection Date:	2023/09/06
KM:	65.00	User km:	165.00	Crossing Name:	Canyon Creek	Next Inspection Date:	2026/09/06
Project File ID #:	7724	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	1,000			Outlet Cover (mm):	1,000		
Footing Type:				Gradient (%):			
Culvert Length (metres):	56.0	Opening Height (mm):	3,700	Opening Width (mm):	3,700		
UTM Zone:	10	UTM Easting:	370584	UTM Northing:	5940568		
Inspector Name:	John Brett			Year Superstructure Installed:	1982		
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Excellent	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Good	
Coupled Connections	Not Applicable	
Coating	Fair	rust on floor
Embedment Materials	Not Applicable	some bedload in culvert
Fill	Good	some erosion on upstream side
Floor	Good	rust
Footing	Not Applicable	
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 731 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-025	<b>Structure Name:</b>	G4-025	<b>Road Name:</b>	HOLY CROSS	<b>Inspection Date:</b>	2023/09/06
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.0	<b>Estimated Present Water Level Width:</b>	0.0
	<b>Estimated High Water Level Clearance:</b>	3.8		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. Surface rust forming below annual High Water line. Material in pipe does not appear to embedment materials but bedload that washes through sturcture. There is some fill erosion from the road shoulder down towards pipe, see pics. appears to be consistent with previos inspections.
	<b>PEng's Comment:</b>	Good. BH

<b>GENERAL</b>	<b>PEng's Comment:</b>	Good. BH
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 732 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-025	<b>Structure Name:</b>	G4-025	<b>Road Name:</b>	HOLY CROSS	<b>Inspection Date:</b>	2023/09/06
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2035	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/11/02 09:27:32		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 733 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-030	<b>Structure Name:</b>	G4-030	<b>Road Name:</b>	HOLY CROSS 200	<b>Inspection Date:</b>	2002/07/16
<b>KM:</b>	11.10	<b>User km:</b>	223.00	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2030/01/01
<b>Project File ID #:</b>	7724	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	8,000		<b>Outlet Cover (mm):</b>	8,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>	2.0			
<b>Culvert Length (metres):</b>	43.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	376396	<b>UTM Northing:</b>	5978361		
<b>Inspector Name:</b>	Tim Silbernagel		<b>Year Superstructure Installed:</b>	1980			
<b>Access:</b>	Coordinates are approximate and based on Km measure. Field verify						

### APPROACHES

<b>Bridge Ahead Signs Missing</b>	2	No Comment Available -Converter.RNI
<b>Delineator Missing Left</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Delineator Missing Right</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0.0	No Comment Available -Converter.RNI
<b>Road Surface</b>	Good	No Comment Available -Converter.RNI

### CULVERT ELEMENT

<b>Coupled Connections</b>	Good	No Comment Available -Converter.RNI
<b>Coating</b>	Good	No Comment Available -Converter.RNI
<b>Fill</b>	Good	No Comment Available -Converter.RNI
<b>Floor</b>	Good	No Comment Available -Converter.RNI
<b>Head Wall</b>	Good	No Comment Available -Converter.RNI
<b>Inlet</b>	Good	No Comment Available -Converter.RNI
<b>Outlet</b>	Fair	No Comment Available -Converter.RNI
<b>Riprap</b>	Fair	No Comment Available -Converter.RNI
<b>Roof</b>	Good	No Comment Available -Converter.RNI
<b>Side Walls</b>	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 734 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-030	<b>Structure Name:</b>	G4-030	<b>Road Name:</b>	HOLY CROSS 200	<b>Inspection Date:</b>	2002/07/16	
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>				
	<b>Estimated High Water Level Clearance:</b>			1.3				
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	Yes	<b>Ice:</b>	No	<b>Debris:</b> No	
	<b>Aggradation:</b>	<b>Comment:</b>						
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>			
<b>MONITORS</b>	<b>#</b>	<b>Description</b>						
	1	Monitor scour at outlet (1.4M drop, TS2002)						
<b>GENERAL</b>	<b>Inspector's Comment:</b>	nullCulvert: 2) 1.4M drop at outlet 4-7) minor deformations 12) poor at outlet.						
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments						
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2030	<b>Estimated Replacement (year):</b>			2030
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b> L100	
	<b>Professional Inspection Required?</b>		No	<b>Report Status:</b> Accepted By IDIR\RMGETZLA on 2012/04/12 16:26:56				

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 735 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-031	<b>Structure Name:</b>	G4-031	<b>Road Name:</b>	HOLY CROSS 200	<b>Inspection Date:</b>	2021/07/14
<b>KM:</b>	14.50	<b>User km:</b>	226.60	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2024/07/14
<b>Project File ID #:</b>	7724	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	4,500		<b>Outlet Cover (mm):</b>	5,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>	5.0			
<b>Culvert Length (metres):</b>	26.6	<b>Opening Height (mm):</b>	1,750	<b>Opening Width (mm):</b>	1,750		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	374044	<b>UTM Northing:</b>	5975391		
<b>Inspector Name:</b>	Gary Zsombor		<b>Year Superstructure Installed:</b>	1980			
<b>Access:</b>	Minor culvert in good condition. Inspect every 10 years. GZ. 2021						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Good	
<b>Inlet</b>	Good	
<b>Outlet</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 736 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-031	<b>Structure Name:</b>	G4-031	<b>Road Name:</b>	HOLY CROSS 200	<b>Inspection Date:</b>	2021/07/14
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<b>Overall</b>	Good
<b>Riprap</b>	Good
<b>Roof</b>	Good
<b>Side Walls</b>	Good
<b>Trash Rack</b>	Not Applicable
<b>Wiers/Backwater Structures</b>	Not Applicable
<b>Wing Wall</b>	Not Applicable

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	3.0
	<b>Estimated High Water Level Clearance:</b>	1.2		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	
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<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns.
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2030	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91
	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/01/19 13:11:34

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 737 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-032	<b>Structure Name:</b>	G4-032	<b>Road Name:</b>	HOLY CROSS 200	<b>Inspection Date:</b>	2021/07/14
<b>KM:</b>	15.00	<b>User km:</b>	227.10	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2024/07/14
<b>Project File ID #:</b>	7724	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	6,300			<b>Outlet Cover (mm):</b>	7,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>	4.0		
<b>Culvert Length (metres):</b>	37.0	<b>Opening Height (mm):</b>	2,130	<b>Opening Width (mm):</b>	2,130		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	373566	<b>UTM Northing:</b>	5975286		
<b>Inspector Name:</b>	Gary Zsombor			<b>Year Superstructure Installed:</b>	1980		
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Good	
<b>Inlet</b>	Good	
<b>Outlet</b>	Fair	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 738 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-032	<b>Structure Name:</b>	G4-032	<b>Road Name:</b>	HOLY CROSS 200	<b>Inspection Date:</b>	2021/07/14
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<b>Overall</b>	Good
<b>Riprap</b>	Fair
<b>Roof</b>	Good
<b>Side Walls</b>	Good
<b>Trash Rack</b>	Not Applicable
<b>Wiers/Backwater Structures</b>	Not Applicable
<b>Wing Wall</b>	Not Applicable

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.0	<b>Estimated Present Water Level Width:</b>	1.1
	<b>Estimated High Water Level Clearance:</b>	1.6		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	
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<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns.
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2030	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91
	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/01/19 13:17:24

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 739 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-033	Structure Name:	G4-033	Road Name:	HOLY CROSS 200	Inspection Date:	2022/07/20
KM:	33.30	User km:	233.30	Crossing Name:	Nithi River	Next Inspection Date:	2025/07/20
Project File ID #:	7724	Br.	02	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Treated			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials	
Superstructure:	Steel I-beam				Right	Pile -Permanent Materials	
Total Length (metres):	16.0	# Spans:	1	Span Width:			Span Length(s) (metres): 16
UTM Zone:	10		UTM Easting:	367549		UTM Northing:	5977677
Inspector Name:	Warren Wilkinson			Year Superstructure Installed:	1979		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Good	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	Sill
Fill	Good	
Hardware	Good	tie backs on both abutments
Piles or Posts	Good	Posts, creosote timbers
Riprap	Not Applicable	none
Wing Wall	Good	

### APPROACHES

Alignment	Fair	hill and corner right side approach
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	91	only one requires two
Road Surface	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 740 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-033	Structure Name:	G4-033	Road Name:	HOLY CROSS 200	Inspection Date:	2022/07/20
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	creosote

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	1.0	Estimated Present Water Level Width:	4.0
Estimated High Water Level Clearance:	2.0		

### HAZARDS

High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
Comment:	there is a Wier on the river 20m downstream from bridge there is a trash boom 20 m upstream from bridge								

### REPAIRS

#	Status	Priority	Estimate	Description
4	Required	Low	\$ 0.00	Install bridge load limit sign

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 741 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-033	<b>Structure Name:</b>	G4-033	<b>Road Name:</b>	HOLY CROSS 200	<b>Inspection Date:</b>	2022/07/20
<b>GENERAL</b>	<b>Inspector's Comment:</b>	there are first nations monitoring stations located on and around bridge there is a Wier on the river 20m downstream from bridge there is a trash boom on the river 20m upstream from bridge					
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2030		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/22 10:34:41			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 742 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-034	Structure Name:	G4-034-A	Road Name:	HOLY CROSS 200	Inspection Date:	2023/09/04	
KM:	34.50	User km:	246.50	Crossing Name:	Nithi River	Next Inspection Date:	2026/09/04	
Project File ID #:	7724	Br.	02	Forest District:	Stuart Nechako Natural Resource District			
Deck Type:	Concrete			Running Surface:	Concrete			
Curb Type:				Abutments (looking downstream)	Left	Steel Pipe and Precast Pad		
Superstructure:	Steel I-beam				Right	Steel Pipe and Precast Pad		
Total Length (metres):	24.4	# Spans:	1	Span Width:			Span Length(s) (metres):	24
UTM Zone:	10		UTM Easting:	355733		UTM Northing:	5976888	
Inspector Name:	John Brett			Year Superstructure Installed:	2007			
Access:								

### ABUTMENTS

Bearings	Good	
Bracing	Good	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	91	
Road Surface	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 743 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G4-034 Structure Name: G4-034-A Road Name: HOLY CROSS 200 Inspection Date: 2023/09/04

### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.4	Estimated Present Water Level Width:	6.0
	Estimated High Water Level Clearance:	1.4		

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

REPAIRS	#	Status	Priority	Estimate	Description
	2	Required	Medium	\$	Remove beaver dam downstream of structure

MONITORS	#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 744 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-034	<b>Structure Name:</b>	G4-034-A	<b>Road Name:</b>	HOLY CROSS 200	<b>Inspection Date:</b>	2023/09/04
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in very good shape overall. No extra wear noted on bridge deck - monitor item. Beaver dam currently downstream of structure. Should remove to prevent further flooding during higher flow conditions.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Good. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2052	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/02 11:31:56			

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 745 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-040	<b>Structure Name:</b>	G4-040	<b>Road Name:</b>	HOLY CROSS	<b>Inspection Date:</b>	2021/06/13	
<b>KM:</b>	1.00	<b>User km:</b>	0.90	<b>Crossing Name:</b>	Nithi River	<b>Next Inspection Date:</b>	2024/06/13	
<b>Project File ID #:</b>	7724	<b>Br.</b>	07	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Not Available			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials		
<b>Total Length (metres):</b>	16.5	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	16
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	362837		<b>UTM Northing:</b>	5978166	
<b>Inspector Name:</b>	Dawson Smith			<b>Year Superstructure Installed:</b>	1995			
<b>Access:</b>	Turn left at km 38.5 on the Holy Cross-Binta FSR which is marked as Boreal Rec. site							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Excellent	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	2	
<b>Fender Condition</b>	Fair	wood fenders
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 746 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-040	Structure Name:	G4-040	Road Name:	HOLY CROSS	Inspection Date:	2021/06/13
---------	--------	-----------------	--------	------------	------------	------------------	------------

### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Unrated	one layer of running planks
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	1.0	Estimated Present Water Level Width:	5.0
Estimated High Water Level Clearance:	1.5		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
3	Required	Medium	\$	
4	Required	Medium	\$	install delineators

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 747 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-040	Structure Name:	G4-040	Road Name:	HOLY CROSS	Inspection Date:	2021/06/13
---------	--------	-----------------	--------	------------	------------	------------------	------------

<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	No significant issues. GZ				
	PEng's Comment:	No concerns. BH				
<b>GENERAL</b>	Estimated Load Restriction (year):	2035	Estimated Replacement (year):			
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/01/19 13:25:52		

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 748 of 1182

## Log Stringer Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-028	<b>Structure Name:</b>	004-13	<b>Road Name:</b>	HOLY CROSS	<b>Inspection Date:</b>	2018/09/27	
<b>KM:</b>	0.30	<b>User km:</b>	0.30	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2019/08/01	
<b>Project File ID #:</b>	7724	<b>Br.</b>	12	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated - Panels			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	12.2	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	12.2
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	355765		<b>UTM Northing:</b>	5976447	
<b>Inspector Name:</b>	Adam Mathison, GradTech			<b>Year Superstructure Installed:</b>	2018			
<b>Access:</b>	Turn left at user km 247 on the Holy Cross-Binta FSR							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	Two 6"x6" timbers lagged to front of each sill to increase bearing area
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 749 of 1182

## Log Stringer Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-028	Structure Name:	004-13	Road Name:	HOLY CROSS	Inspection Date:	2018/09/27
---------	--------	-----------------	--------	------------	------------	------------------	------------

### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	1.0
Estimated High Water Level Clearance:	1.5		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 750 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-028	<b>Structure Name:</b>	004-13	<b>Road Name:</b>	HOLY CROSS	<b>Inspection Date:</b>	2018/09/27
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Superstructure has been replaced since last inspection. Ruskin Construction Serial 004-13 L-100 load rating Lock block abutments and existing sills were left in place. Two 6"x6" timbers were stacked and lagged against the front of the existing sills to increase bearing area. Bridge is in good condition					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Road has been transferred to West Fraser.					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2038	<b>Estimated Replacement (year):</b>	2038			
	<b>Current Inspection Load Rating:</b>	See footnote	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Rejected By IDIR\JOLMSTED on 2020/02/10 12:46:42			

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 751 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-060	<b>Structure Name:</b>	G5-060	<b>Road Name:</b>	FALL	<b>Inspection Date:</b>	2022/10/21
<b>KM:</b>	0.10	<b>User km:</b>	200.10	<b>Crossing Name:</b>	Teegee Creek #1	<b>Next Inspection Date:</b>	2025/10/21
<b>Project File ID #:</b>	7785	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,000		<b>Outlet Cover (mm):</b>	1,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	20.0	<b>Opening Height (mm):</b>	2,800	<b>Opening Width (mm):</b>	4,000		
<b>UTM Zone:</b>	9	<b>UTM Easting:</b>	685402	<b>UTM Northing:</b>	6167900		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	1980			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Good	
<b>Coupled Connections</b>	Not Applicable	
<b>Coating</b>	Good	minor rust on floor
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Fair	minor erosion at inlet
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 752 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-060	<b>Structure Name:</b>	G5-060	<b>Road Name:</b>	FALL	<b>Inspection Date:</b>	2022/10/21
<b>Inlet</b>	Good						
<b>Outlet</b>	Good	Culvert plunge is currently 0.45 meters					
<b>Overall</b>	Good						
<b>Riprap</b>	Fair	should place riprap at inlet					
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.3	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	2.1		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	1	Required	Medium	\$	place 20 m3 of riprap at inlet where scouring

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Scour forming at inlet, would benefit from placing riprap.
	<b>PEng's Comment:</b>	No concerns. BH

<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH
----------------	------------------------	-----------------

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 753 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-060	<b>Structure Name:</b>	G5-060	<b>Road Name:</b>	FALL	<b>Inspection Date:</b>	2022/10/21	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 15:38:35				

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 754 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-061	Structure Name:	G5-061	Road Name:	FALL	Inspection Date:	2022/10/21
KM:	4.30	User km:	204.30	Crossing Name:	Teegee Creek #1	Next Inspection Date:	2025/10/21
Project File ID #:	7785	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Elliptical			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	2,000			Outlet Cover (mm):	2,000		
Footing Type:				Gradient (%):			
Culvert Length (metres):	22.0	Opening Height (mm):	2,500	Opening Width (mm):	4,000		
UTM Zone:	9	UTM Easting:	687691	UTM Northing:	6170685		
Inspector Name:	John Brett			Year Superstructure Installed:	1980		
Access:							

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Good	
Coupled Connections	Not Applicable	
Coating	Good	
Embedment Materials	Not Applicable	
Fill	Fair	
Floor	Good	
Footing	Not Applicable	
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 755 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-061	<b>Structure Name:</b>	G5-061	<b>Road Name:</b>	FALL	<b>Inspection Date:</b>	2022/10/21
<b>Inlet</b>	Good						
<b>Outlet</b>	Fair	Appears to be settling					
<b>Overall</b>	Fair						
<b>Riprap</b>	Fair						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	1.8		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	3	progression of settlement near outlet of culvert, see photo

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is functioning however the downstream portion has settled. It appears as though this section of road may be deactivated once the bypass road is complete? If not the case then the culvert settlement should be monitored during future inspections. See pics.
	<b>PEng's Comment:</b>	Continue to monitor outlet settlement. BH

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is functioning however the downstream portion has settled. It appears as though this section of road may be deactivated once the bypass road is complete? If not the case then the culvert settlement should be monitored during future inspections. See pics.
	<b>PEng's Comment:</b>	Continue to monitor outlet settlement. BH

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 756 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-061	<b>Structure Name:</b>	G5-061	<b>Road Name:</b>	FALL	<b>Inspection Date:</b>	2022/10/21
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/12/09 15:39:21		

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 757 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-062	Structure Name:	G5-062	Road Name:	FALL	Inspection Date:	2021/09/15
KM:	23.50	User km:	223.50	Crossing Name:	Fall River	Next Inspection Date:	2024/09/15
Project File ID #:	7785	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete Composite			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Steel Pipe and Precast Pad	
Superstructure:	Steel I-beam				Right	Steel Pipe and Precast Pad	
Total Length (metres):	21.3	# Spans:	1	Span Width:			Span Length(s) (metres): 21.3
UTM Zone:	10		UTM Easting:	324751		UTM Northing:	6180053
Inspector Name:	Vince Sewell			Year Superstructure Installed:	1999		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Good	
Ballast Wall	Good	
Corrosion Protection	Good	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	91	
Road Surface	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 758 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-062	Structure Name:	G5-062	Road Name:	FALL	Inspection Date:	2021/09/15
---------	--------	-----------------	--------	------------	------	------------------	------------

### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Fair	Some rot showing age
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.7	Estimated Present Water Level Width:	4.0
Estimated High Water Level Clearance:	2.0		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
- Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 759 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-062	<b>Structure Name:</b>	G5-062	<b>Road Name:</b>	FALL	<b>Inspection Date:</b>	2021/09/15
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge in good condition except curbs					
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2050	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/04 13:17:45			

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 760 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-063	Structure Name:	G5-063	Road Name:	FALL	Inspection Date:	2022/10/21
KM:	31.20	User km:	231.30	Crossing Name:	Fall River	Next Inspection Date:	2025/10/21
Project File ID #:	7785	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials	
Superstructure:	Steel I-beam				Right	Pile -Permanent Materials	
Total Length (metres):	37.0	# Spans:	1	Span Width:			Span Length(s) (metres): 37
UTM Zone:	10		UTM Easting:	332180		UTM Northing:	6181958
Inspector Name:	John Brett			Year Superstructure Installed:	1998		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	1	
Delineator Missing Right (approaching structure)	2	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	91	
Road Surface	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 761 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-063	Structure Name:	G5-063	Road Name:	FALL	Inspection Date:	2022/10/21
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	replace
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.4	Estimated Present Water Level Width:	12.0
Estimated High Water Level Clearance:	2.5		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
2	Required	High		Replace Guardrails

### MONITORS

#	Description
4	Monitor bearing pad bulging has been a monitor item since 2016.

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 762 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-063	<b>Structure Name:</b>	G5-063	<b>Road Name:</b>	FALL	<b>Inspection Date:</b>	2022/10/21
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Guardrails are rotten and should be replaced. Bearing monitor assessed and Right bank bearings seem fine but left bank are bulging. There was no beaver activity noted during the inspection. Would benefit to have pics of bearing condition for offline inspection during future inspections.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Replace guard rails as soon as possible. Bridge may be downrated at any time if not addressed soon. Beaver activity not impacting bridge. Monitor bearing condition. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2048		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 15:40:42			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 763 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-064	Structure Name:	G5-064	Road Name:	FALL	Inspection Date:	2021/09/15
KM:	36.00	User km:	236.00	Crossing Name:	Fall River	Next Inspection Date:	2024/09/15
Project File ID #:	7785	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete Composite			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials	
Superstructure:	Steel I-beam				Right	Pile -Permanent Materials	
Total Length (metres):	24.8	# Spans:	1	Span Width:			Span Length(s) (metres): 24.8
UTM Zone:	10		UTM Easting:	335961		UTM Northing:	6181752
Inspector Name:	Vince Sewell			Year Superstructure Installed:	1999		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Fair	LC has lots of cracking
Corrosion Protection	Good	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Fair	adequate but may scour in high water
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	91	
Road Surface	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 764 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-064	Structure Name:	G5-064	Road Name:	FALL	Inspection Date:	2021/09/15
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### DECK

#### Span 1

Concrete Deck	Good	Dirty
Curb Rail/Blocks/Posts	Fair	Rot and soft sections
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.8	Estimated Present Water Level Width:	5.0
Estimated High Water Level Clearance:	1.5		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
6	Required	Medium	\$ 0.00	Replace rails/blocks/risers prior to industrial use

### MONITORS

#	Description
1	LC ballast wall cracking

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 765 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-064	<b>Structure Name:</b>	G5-064	<b>Road Name:</b>	FALL	<b>Inspection Date:</b>	2021/09/15
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Overall good except curbs. look at LC ballast wall photos					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Minor cracking in ballast wall. Replace curbs before industrial ude. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2050	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/04 13:40:24			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 766 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-065	Structure Name:	G5-065	Road Name:	FALL	Inspection Date:	2022/10/21
KM:	36.70	User km:	236.70	Crossing Name:	Unnamed creek	Next Inspection Date:	2025/10/21
Project File ID #:	7785	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	3,000			Outlet Cover (mm):	3,000		
Footing Type:				Gradient (%):			
Culvert Length (metres):	32.0	Opening Height (mm):	2,000	Opening Width (mm):	2,000		
UTM Zone:	10	UTM Easting:	336384	UTM Northing:	6181299		
Inspector Name:	John Brett			Year Superstructure Installed:	1990		
Access:							

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Not Applicable	
Coupled Connections	Good	
Coating	Good	
Embedment Materials	Not Applicable	
Fill	Good	
Floor	Good	
Footing	Not Applicable	
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 767 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-065	<b>Structure Name:</b>	G5-065	<b>Road Name:</b>	FALL	<b>Inspection Date:</b>	2022/10/21
<b>Inlet</b>	Good						
<b>Outlet</b>	Good		1.2m plunge				
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	1.3		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good condition overall. Outlet plung is currently 1.2 m from culvert invert to bottom of plunge pool.

<b>GENERAL</b>	<b>PEng's Comment:</b>	Plunge pool does not seem to be deepening but continues to be a barrier to fish passage. BH

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 768 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-065	<b>Structure Name:</b>	G5-065	<b>Road Name:</b>	FALL	<b>Inspection Date:</b>	2022/10/21
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b> L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/12/09 15:41:16		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 769 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-066	Structure Name:	G5-066	Road Name:	FALL	Inspection Date:	2022/10/21
KM:	37.70	User km:	237.70	Crossing Name:	Buck Creek	Next Inspection Date:	2025/10/21
Project File ID #:	7785	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials	
Superstructure:	Steel I-beam				Right	Pile -Permanent Materials	
Total Length (metres):	22.0	# Spans:	1	Span Width:		Span Length(s) (metres):	22
UTM Zone:	10		UTM Easting:	337389		UTM Northing:	6181203
Inspector Name:	John Brett			Year Superstructure Installed:	1994		
Access:							

### ABUTMENTS

Bearings	Fair	bulging on right bank abutment
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	1	
Delineator Missing Right (approaching structure)	1	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	91	
Road Surface	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 770 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-066	Structure Name:	G5-066	Road Name:	FALL	Inspection Date:	2022/10/21
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Fair	will require some upgrades
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	2.0
Estimated High Water Level Clearance:	4.5		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
4	Required	Low		add one right and one left delineator
5	Required	Low		Repair guardrails. Will require the following: 5 - 10x10 brackets 9 - 10x10 risers 2 - 15 ft 10x10 rails

### MONITORS

#	Description
4	Right side bearing pads for bulging

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 771 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-066	<b>Structure Name:</b>	G5-066	<b>Road Name:</b>	FALL	<b>Inspection Date:</b>	2022/10/21
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in good shape overall. Guardrails will require maintenance. Bearing bulge of right bank abutment monitor appears to be consistent with previous inspections. There is still adequate gap between the steel bearing plates in light of the bulge. Deck joints when viewed from below appear to have poor grout penetration. No issues were noted from above. PEng should review deck joints and provide recommendations if required.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Bridge is a non-composite structure. Deck joints should not be an issue. Needs guard rail repair. Monitor bearing pad bulging. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2034	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/07 15:36:30			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 772 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-067	<b>Structure Name:</b>	G5-067-2	<b>Road Name:</b>	FALL	<b>Inspection Date:</b>	2022/10/21
<b>KM:</b>	44.60	<b>User km:</b>	244.60	<b>Crossing Name:</b>	Teegee Creek #2	<b>Next Inspection Date:</b>	2025/10/21
<b>Project File ID #:</b>	7785	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	3,000		<b>Outlet Cover (mm):</b>	3,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	25.0	<b>Opening Height (mm):</b>	1,600	<b>Opening Width (mm):</b>	1,600		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	343397	<b>UTM Northing:</b>	6179828		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	1993			
<b>Access:</b>	2 WDR						

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 773 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-067	<b>Structure Name:</b>	G5-067-2	<b>Road Name:</b>	FALL	<b>Inspection Date:</b>	2022/10/21
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	3.5
	<b>Estimated High Water Level Clearance:</b>	0.9		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	2	Required	Low	\$	Brush out site
	3	Required	Low	\$	Remove chunk of wood debris from inlet

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. 0.3m plunge measured at outlet. There is a chunk of wood debris at the inlet that should be removed next available opportunity. site would benefit from brushing
	<b>PEng's Comment:</b>	Pipe on left side looking downstream. No concerns. BH

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. 0.3m plunge measured at outlet. There is a chunk of wood debris at the inlet that should be removed next available opportunity. site would benefit from brushing
	<b>PEng's Comment:</b>	Pipe on left side looking downstream. No concerns. BH

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 774 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-067	<b>Structure Name:</b>	G5-067-2	<b>Road Name:</b>	FALL	<b>Inspection Date:</b>	2022/10/21	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2033	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 15:42:44				

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 775 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-067	<b>Structure Name:</b>	G5-067	<b>Road Name:</b>	FALL	<b>Inspection Date:</b>	2022/10/21
<b>KM:</b>	44.60	<b>User km:</b>	244.60	<b>Crossing Name:</b>	Teegee Creek #2	<b>Next Inspection Date:</b>	2025/10/21
<b>Project File ID #:</b>	7785	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	3,000			<b>Outlet Cover (mm):</b>	3,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	25.0	<b>Opening Height (mm):</b>	1,600	<b>Opening Width (mm):</b>	1,600		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	343397	<b>UTM Northing:</b>	6179828		
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1993		
<b>Access:</b>	2 WDR						

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 776 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-067	<b>Structure Name:</b>	G5-067	<b>Road Name:</b>	FALL	<b>Inspection Date:</b>	2022/10/21
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	3.5
	<b>Estimated High Water Level Clearance:</b>	0.9		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. Site would benefit from brushing out.

<b>GENERAL</b>	<b>PEng's Comment:</b>	o concerns. BH

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 777 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-067	<b>Structure Name:</b>	G5-067	<b>Road Name:</b>	FALL	<b>Inspection Date:</b>	2022/10/21
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2033	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/12/09 15:42:09		

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 778 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-068	Structure Name:	G5-068	Road Name:	FALL	Inspection Date:	2022/10/21
KM:	46.00	User km:	246.00	Crossing Name:	Silver Creek	Next Inspection Date:	2025/10/21
Project File ID #:	7785	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials	
Superstructure:	Steel I-beam				Right	Pile -Permanent Materials	
Total Length (metres):	34.0	# Spans:	1	Span Width:			Span Length(s) (metres): 34
UTM Zone:	10		UTM Easting:	344767		UTM Northing:	6179379
Inspector Name:	John Brett			Year Superstructure Installed:	1993		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 779 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-068	Structure Name:	G5-068	Road Name:	FALL	Inspection Date:	2022/10/21
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	rotten
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.3	Estimated Present Water Level Width:	18.0
	Estimated High Water Level Clearance:	1.8		

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

### REPAIRS

#	Status	Priority	Estimate	Description
8	Required	Medium	\$ 0.00	Add paraseal to deck joints at each end of bridge
9	Required	High	\$ 0.00	Replace guardrails - risers and rails. brackets are treated timber and still good.
10	Required	Low		Add bridge ahead signs both sides.
11	Required	Medium		Brush around bridge site.

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 780 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-068	<b>Structure Name:</b>	G5-068	<b>Road Name:</b>	FALL	<b>Inspection Date:</b>	2022/10/21
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in good shape overall but will require new guardrails. Also noted is the paraseal deckjoints on end of bridge are gone.				
<b>GENERAL</b>	<b>PEng's Comment:</b>	Repairs to guard rails recommended. Possible downrating at any time. BH				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2038	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 15:44:26		

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 781 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-069	Structure Name:	G5-069	Road Name:	FALL	Inspection Date:	2001/09/18
KM:	46.10	User km:	246.10	Crossing Name:	Silver Side Channel	Next Inspection Date:	2030/01/01
Project File ID #:	7785	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	3,500			Outlet Cover (mm):	3,600		
Footing Type:				Gradient (%):	1.0		
Culvert Length (metres):	26.5	Opening Height (mm):	1,600	Opening Width (mm):	1,600		
UTM Zone:	10	UTM Easting:	344789	UTM Northing:	6179168		
Inspector Name:	Brent Case			Year Superstructure Installed:	1993		
Access:	Minor culvert, 1600						

### APPROACHES

Bridge Ahead Signs Missing	2	No Comment Available -Converter.RNI
Delineator Missing Left (approaching structure)	2	No Comment Available -Converter.RNI
Delineator Missing Right (approaching structure)	2	No Comment Available -Converter.RNI
Posted Load Rating (Enter 0 if sign missing)	0.0	No Comment Available -Converter.RNI
Road Surface	Good	No Comment Available -Converter.RNI

### CULVERT ELEMENT

Coupled Connections	Good	No Comment Available -Converter.RNI
Coating	Excellent	No Comment Available -Converter.RNI
Fill	Good	No Comment Available -Converter.RNI
Floor	Good	No Comment Available -Converter.RNI
Inlet	Excellent	No Comment Available -Converter.RNI
Outlet	Good	No Comment Available -Converter.RNI
Roof	Good	No Comment Available -Converter.RNI
Side Walls	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 782 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-069	<b>Structure Name:</b>	G5-069	<b>Road Name:</b>	FALL	<b>Inspection Date:</b>	2001/09/18
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>			
	<b>Estimated High Water Level Clearance:</b>			0.8			
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b> No
	<b>Aggradation:</b>	No					
<b>Comment:</b>							
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>		
<b>MONITORS</b>	<b>#</b>	<b>Description</b>					
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2038	<b>Estimated Replacement (year):</b>		
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By IDIR\RMGETZLA on 2012/04/10 14:34:19			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 783 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-140	<b>Structure Name:</b>	G5-140	<b>Road Name:</b>	TSAYTA	<b>Inspection Date:</b>	2022/10/21	
<b>KM:</b>	1.70	<b>User km:</b>	1.70	<b>Crossing Name:</b>	Trout Lake Creek	<b>Next Inspection Date:</b>	2025/10/21	
<b>Project File ID #:</b>	7785	<b>Br.</b>	03	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete			<b>Running Surface:</b>	Not Available			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials		
<b>Total Length (metres):</b>	12.6	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	12.6
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	331155		<b>UTM Northing:</b>	6150759	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1997			
<b>Access:</b>	Park boundary sign near Abut #1							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Good	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	one piece knocked on side
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 784 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-140	Structure Name:	G5-140	Road Name:	TSAYTA	Inspection Date:	2022/10/21
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	2.5
Estimated High Water Level Clearance:	1.5		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
3	Required	Low		Reposition fender section
4	Not Required	Medium	\$	Remove beaver dam from upstream

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 785 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-140	<b>Structure Name:</b>	G5-140	<b>Road Name:</b>	TSAYTA	<b>Inspection Date:</b>	2022/10/21
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall. Currently there is a beaver dam in place upstream of the structure. Structure still able to handle typical flows but should remove dam. One fender section has been knocked over and should be repositioned.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Beaver dam not affecting the structure. No other concerns. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2047	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 15:45:49			

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 786 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-147	<b>Structure Name:</b>	G5-147	<b>Road Name:</b>	TSAYTA	<b>Inspection Date:</b>	2022/10/21
<b>KM:</b>	4.50	<b>User km:</b>	4.90	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2025/10/21
<b>Project File ID #:</b>	7785	<b>Br.</b>	03	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	1,000			<b>Outlet Cover (mm):</b>	1,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	19.0	<b>Opening Height (mm):</b>	3,000	<b>Opening Width (mm):</b>	3,000		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	334061	<b>UTM Northing:</b>	6150367		
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1997		
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 787 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-147	<b>Structure Name:</b>	G5-147	<b>Road Name:</b>	TSAYTA	<b>Inspection Date:</b>	2022/10/21
<b>Inlet</b>	Good	beaver dam at inlet					
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	1.2		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	small beaver dam at inlet								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	1	Required	Medium	\$	Remove beaver dams above and below culvert

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. A beaver dam is currently in place at the inlet of the culvert and one appears to be under construction just downstream of the culvert. Dams should be removed.
	<b>PEng's Comment:</b>	

<b>GENERAL</b>	<b>PEng's Comment:</b>	
----------------	------------------------	--

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 788 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-147	<b>Structure Name:</b>	G5-147	<b>Road Name:</b>	TSAYTA	<b>Inspection Date:</b>	2022/10/21
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2047	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/12/08 12:04:18		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 789 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-141	Structure Name:	G5-141	Road Name:	TSAYTA	Inspection Date:	2023/09/04
KM:	15.60	User km:	15.60	Crossing Name:	West Kwanika Creek	Next Inspection Date:	2026/09/04
Project File ID #:	7785	Br.	03	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Concrete Precast	
Superstructure:	Concrete Slab Girders				Right	Concrete Precast	
Total Length (metres):	10.0	# Spans:	1	Span Width:		Span Length(s) (metres):	10
UTM Zone:	10		UTM Easting:	340699		UTM Northing:	6156046
Inspector Name:	John Brett			Year Superstructure Installed:	1998		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Concrete Precast	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Not Applicable	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	2	
Brushing Required	No	
Delineator Missing Left (approaching structure)	2	
Delineator Missing Right (approaching structure)	2	
Fender Condition	Good	One corner knocked on side
Posted Load Rating (Enter 0 if sign missing)	0	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 790 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b> G5-141	<b>Structure Name:</b> G5-141	<b>Road Name:</b> TSAYTA	<b>Inspection Date:</b> 2023/09/04
<b>Road Surface</b>	Fair		

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>		<b>Estimated Present Water Level Width:</b>	
	<b>Estimated High Water Level Clearance:</b>			

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	9	Required	Low	\$	Add 2 right and 2 left delineators
	10	Required	Low	\$	Add bridge ahead signs. One on each approach
	11	Required	Low	\$	Reinstall approach barriers that are knocked over
	12	Required	High	\$	Repair damaged curb. Will require: 1 x 10 ft 10x10 rails 2 x 2 ft 10 x 10 risers 1 x 2.5 ft 10 x 10 bracket 3 - 3/4 inch x 34 inch dome head bolts with washer and nut
	13	Required	High	\$ 0.00	Install load limit sign

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall. Fender sections have been knocked over and should be reset. One section of guardrail has been impacted and requires repair. Structure requires 2 bridge ahead signs and 4 delineators.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Bridge is downrated to 0 tonnes and closed due to damaged guard rail. BH
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2048	<b>Estimated Replacement (year):</b>	2048
	<b>Current Inspection Load Rating:</b>	0	<b>Design Load GVW (tonnes):</b>	91
	<b>Design Vehicle Config.:</b>	L100	<b>Professional Inspection Required?</b>	No
	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/16 12:57:43		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 791 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-143	Structure Name:	G5-143	Road Name:	TSAYTA	Inspection Date:	1999/09/15
KM:	16.80	User km:	16.80	Crossing Name:	Unnamed creek	Next Inspection Date:	2030/01/01
Project File ID #:	7785	Br.	03	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	500			Outlet Cover (mm):	500		
Footing Type:				Gradient (%):			
Culvert Length (metres):	14.0	Opening Height (mm):	1,200	Opening Width (mm):	1,200		
UTM Zone:	10	UTM Easting:	341699	UTM Northing:	6156505		
Inspector Name:	unknown			Year Superstructure Installed:	1987		
Access:	Minor culvert, 1200						

### APPROACHES

Bridge Ahead Signs Missing	2	No Comment Available -Converter.RNI
Delineator Missing Left (approaching structure)	2	No Comment Available -Converter.RNI
Delineator Missing Right (approaching structure)	2	No Comment Available -Converter.RNI
Posted Load Rating (Enter 0 if sign missing)	0.0	No Comment Available -Converter.RNI
Road Surface	Fair	No Comment Available -Converter.RNI

### CULVERT ELEMENT

Coupled Connections	Good	No Comment Available -Converter.RNI
Coating	Good	No Comment Available -Converter.RNI
Fill	Good	No Comment Available -Converter.RNI
Floor	Good	No Comment Available -Converter.RNI
Inlet	Good	No Comment Available -Converter.RNI
Outlet	Good	No Comment Available -Converter.RNI
Riprap	Poor	No Comment Available -Converter.RNI
Roof	Fair	No Comment Available -Converter.RNI
Side Walls	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 792 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-143	<b>Structure Name:</b>	G5-143	<b>Road Name:</b>	TSAYTA	<b>Inspection Date:</b>	1999/09/15			
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>						
	<b>Estimated High Water Level Clearance:</b>			0.1						
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>					
<b>MONITORS</b>	<b>#</b>	<b>Description</b>								
<b>GENERAL</b>	<b>Inspector's Comment:</b>	nullCulvert: 5) Minor deformations. 11) Some rust on floor. 12) No rip rap, but no scour..								
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments								
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2033	<b>Estimated Replacement (year):</b>					
	<b>Current Inspection Load Rating:</b>		54	<b>Design Load GVW (tonnes):</b>		54	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>		No	<b>Report Status:</b>		Accepted By IDIR\RMGETZLA on 2012/04/12 09:54:06				

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 793 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-144	Structure Name:	G5-144	Road Name:	TSAYTA	Inspection Date:	2002/06/20
KM:	18.30	User km:	18.30	Crossing Name:	Trout Lake Creek	Next Inspection Date:	2030/01/01
Project File ID #:	7785	Br.	03	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	300			Outlet Cover (mm):	500		
Footing Type:				Gradient (%):			
Culvert Length (metres):	12.0	Opening Height (mm):	1,200	Opening Width (mm):	1,200		
UTM Zone:	10	UTM Easting:	342966	UTM Northing:	6157174		
Inspector Name:	Ed Cienciala			Year Superstructure Installed:	1987		
Access:	Minor culvert, twin 1200						

### APPROACHES

Bridge Ahead Signs Missing	2	No Comment Available -Converter.RNI
Delineator Missing Left (approaching structure)	2	No Comment Available -Converter.RNI
Delineator Missing Right (approaching structure)	2	No Comment Available -Converter.RNI
Posted Load Rating (Enter 0 if sign missing)	0.0	No Comment Available -Converter.RNI
Road Surface	Poor	No Comment Available -Converter.RNI

### CULVERT ELEMENT

Coupled Connections	Good	No Comment Available -Converter.RNI
Coating	Good	No Comment Available -Converter.RNI
Fill	Poor	No Comment Available -Converter.RNI
Floor	Good	No Comment Available -Converter.RNI
Inlet	Good	No Comment Available -Converter.RNI
Outlet	Good	No Comment Available -Converter.RNI
Riprap	Poor	No Comment Available -Converter.RNI
Roof	Poor	No Comment Available -Converter.RNI
Side Walls	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 794 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-144	<b>Structure Name:</b>	G5-144	<b>Road Name:</b>	TSAYTA	<b>Inspection Date:</b>	2002/06/20
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>			
	<b>Estimated High Water Level Clearance:</b>			0.4			
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b> No
	<b>Aggradation:</b>	No					
<b>Comment:</b>							
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>		
<b>MONITORS</b>	<b>#</b>	<b>Description</b>					
	1	Monitor deformations in roof near center of culverts. No Industrial traffic					
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2035	<b>Estimated Replacement (year):</b>		
	<b>Current Inspection Load Rating:</b>		54	<b>Design Load GVW (tonnes):</b>		54	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b> Accepted By IDIR\RMGETZLA on 2012/04/12 09:52:34				

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 795 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-148	<b>Structure Name:</b>	G5-148	<b>Road Name:</b>	TSAYTA	<b>Inspection Date:</b>	2019/10/14
<b>KM:</b>	38.40	<b>User km:</b>	38.40	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2022/10/14
<b>Project File ID #:</b>	7785	<b>Br.</b>	03	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,000		<b>Outlet Cover (mm):</b>	1,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	12.0	<b>Opening Height (mm):</b>	2,300	<b>Opening Width (mm):</b>	2,300		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	357257	<b>UTM Northing:</b>	6160918		
<b>Inspector Name:</b>	Dawson SMITH		<b>Year Superstructure Installed:</b>	1975			
<b>Access:</b>	Road has been transferred to an RP. Do not inspect - CP Oct 2020 Road currently wilderness maintained. MD Feb 2017						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Road Surface</b>	Poor	SCOURED ON LEFT SIDE, WATER COMING DOWN THE ROAD WILL CONTINUE

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Poor	FAILING ABOUT 1/2 WAY ACROSS
<b>Coating</b>	Poor	RUST ON BOTTOM
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Poor	SHOWING FROST HEAVE
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Fair	
<b>Inlet</b>	Fair	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 796 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-148	<b>Structure Name:</b>	G5-148	<b>Road Name:</b>	TSAYTA	<b>Inspection Date:</b>	2019/10/14
<b>Outlet</b>	Fair						
<b>Overall</b>	Poor		FAILING ABOUT 1/2 WAY ACROSS				
<b>Riprap</b>	Not Applicable						
<b>Roof</b>	Poor		FAILING ABOUT 1/2 WAY ACROSS				
<b>Side Walls</b>	Fair						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.5	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	1	Required	Low	\$	GRADE ROAD
	2	Required	Medium	\$	REPLACE CULVERT

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	ROAD ON INLET SIDE (LEFT GOING UP) IS SCOURED, NEED TO BE GRADED OR ROAD WILL FAIL. THERE IS SIGN CULVERT ROOF IS FAILING ABOUT 1/2 WAY ACROSS (CANT SEE IN THE PICTURE)
	<b>PEng's Comment:</b>	Will look at the culvert in 2020 to determine the what is required.

<b>GENERAL</b>	<b>Inspector's Comment:</b>	ROAD ON INLET SIDE (LEFT GOING UP) IS SCOURED, NEED TO BE GRADED OR ROAD WILL FAIL. THERE IS SIGN CULVERT ROOF IS FAILING ABOUT 1/2 WAY ACROSS (CANT SEE IN THE PICTURE)
	<b>PEng's Comment:</b>	Will look at the culvert in 2020 to determine the what is required.

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 797 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-148	<b>Structure Name:</b>	G5-148	<b>Road Name:</b>	TSAYTA	<b>Inspection Date:</b>	2019/10/14
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2025	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	54	<b>Design Load GVW (tonnes):</b>	54	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jason Olmsted on 2020/03/09 08:39:32			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 798 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-018	Structure Name:	G5-018	Road Name:	TSAYTA	Inspection Date:	2022/10/20
KM:	55.80	User km:	55.80	Crossing Name:	Nation River	Next Inspection Date:	2025/10/20
Project File ID #:	7785	Br.	03	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials	
Superstructure:	Steel I-beam				Right	Pile -Permanent Materials	
Total Length (metres):	18.3	# Spans:	1	Span Width:			Span Length(s) (metres): 18.3
UTM Zone:	10		UTM Easting:	330707		UTM Northing:	6150281
Inspector Name:	John Brett			Year Superstructure Installed:	1994		
Access:	Turn right at approx km 55 on the Old Driftwood FSR - start of ugly road DB2004						

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	1	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Poor	should replace, install concrete fenders
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 799 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-018	Structure Name:	G5-018	Road Name:	TSAYTA	Inspection Date:	2022/10/20
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	one end damaged
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	4.0
Estimated High Water Level Clearance:	3.0		

### HAZARDS

High Water:	No	Scour:	No	Ice:	No	Debris:	Yes	Aggradation:	No
Comment:	Beaver Dam upstream								

### REPAIRS

#	Status	Priority	Estimate	Description
5	Required	Low	\$	Replace broken rail, 16 ft 10x10
6	Required	Low	\$	Add parasel to deck joints at end of bridge
7	Required	Low	\$	Install new approach fenders
8	Required	Low		Install load signs and one delineator

### Corporate Bridge Register (CBR)

- Disclaimer:
- Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 800 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-018	Structure Name:	G5-018	Road Name:	TSAYTA	Inspection Date:	2022/10/20
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MONITORS	#	Description

  

GENERAL	Inspector's Comment:	Structure is in good shape overall. minor guardrail damage observed. Beaver Dam is still in place upstream but has no effect on the functionality of the crossing. Timber approach fenders are in poor shape and are not secure / rotten. Structure would benefit from the installation of concrete fenders.
	PEng's Comment:	Good shape. BH

  

GENERAL	Estimated Load Restriction (year):	2034	Estimated Replacement (year):			
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/12/09 14:09:52		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 801 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-100	<b>Structure Name:</b>	G5-100	<b>Road Name:</b>	DREAM	<b>Inspection Date:</b>	2022/10/21	
<b>KM:</b>	3.20	<b>User km:</b>	3.20	<b>Crossing Name:</b>	Canyon Creek	<b>Next Inspection Date:</b>	2025/10/21	
<b>Project File ID #:</b>	7785	<b>Br.</b>	05	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Not Available			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Binwall		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Binwall		
<b>Total Length (metres):</b>	10.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	10
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	349538		<b>UTM Northing:</b>	6161808	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1991			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Binwall</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	1	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 802 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-100	<b>Structure Name:</b>	G5-100	<b>Road Name:</b>	DREAM	<b>Inspection Date:</b>	2022/10/21
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<b>Road Surface</b>	Fair	
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DECK		
Span 1		
<b>Curb Rail/Blocks/Posts</b>	Poor	replace
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Fair	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Fair	
<b>Running Planks</b>	Poor	mix of fair to poor planks, replace for industrial use
<b>Sub Deck</b>	Good	
<b>Ties</b>	Good	

SUPERSTRUCTURE		
Span 1		
<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Under Trussing</b>	Not Applicable	

CHANNEL	<b>Estimated Present Water Level Depth:</b>	0.0	<b>Estimated Present Water Level Width:</b>	0.0
	<b>Estimated High Water Level Clearance:</b>	2.0		

HAZARDS	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

**Corporate Bridge Register (CBR)**

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 803 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-100	<b>Structure Name:</b>	G5-100	<b>Road Name:</b>	DREAM	<b>Inspection Date:</b>	2022/10/21
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REPAIRS	#	Status	Priority	Estimate	Description
	9	Required	Low		add on left delineator
	10	Required	Low		Install fenders both sides.
	11	Required	Medium		Replace wear deck
	12	Required	Medium		Replace guardrails
	13	Required	Low	\$ 0.00	Install bridge ahead and load limit signs

MONITORS	#	Description

GENERAL	<b>Inspector's Comment:</b>	Structure is in good shape overall. For industrial use will require new guardrails, wear planks and should install fenders.
	<b>PEng's Comment:</b>	Pictures do not show extent of rot in guard rails and decking.BH

GENERAL	<b>Estimated Load Restriction (year):</b>	2031	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91
	<b>Design Vehicle Config.:</b>			

GENERAL	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/08 12:00:55
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 804 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-102	<b>Structure Name:</b>	G5-102	<b>Road Name:</b>	DREAM	<b>Inspection Date:</b>	2019/10/14
<b>KM:</b>	16.20	<b>User km:</b>	16.20	<b>Crossing Name:</b>	Kenny Creek	<b>Next Inspection Date:</b>	2022/10/14
<b>Project File ID #:</b>	7785	<b>Br.</b>	05	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Not Available		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Sill - Permanent Materials	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Sill - Permanent Materials	
<b>Total Length (metres):</b>	20.0	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	20
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	344936		<b>UTM Northing:</b>	6171118
<b>Inspector Name:</b>	Dawson SMITH			<b>Year Superstructure Installed:</b>	1991		
<b>Access:</b>	No access from the Dream (beaver pond at 10km). Iffy along the Humphrey (Brrushy and need to ford streams). Access from the north off the Fall Km243. (GZ Nov.2023)						

### ABUTMENTS

<b>Bearings</b>	Not Applicable	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Fair	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	NEED SIGNS TO SLOW TRAFFIC DOWN
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	2	
<b>Fender Condition</b>	Poor	OUT OF POSITION
<b>Road Surface</b>	Fair	

### DECK

#### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 805 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-102	<b>Structure Name:</b>	G5-102	<b>Road Name:</b>	DREAM	<b>Inspection Date:</b>	2019/10/14
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### Span 1

<b>Curb Rail/Blocks/Posts</b>	Fair	
<b>Deck to Girder Bolts</b>	Not Applicable	
<b>Hardware</b>	Not Applicable	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Unrated	DECK WAS COVERED IN FROZEN DIRT AND SNOW SO COULD NOT SEE IF WELL
<b>Overall Deck Condition</b>	Fair	DECK WAS COVERED IN FROZEN DIRT AND SNOW SO COULD NOT SEE IF WELL
<b>Running Planks</b>	Unrated	DECK WAS COVERED IN FROZEN DIRT AND SNOW SO COULD NOT SEE IF WELL
<b>Sub Deck</b>	Fair	
<b>Ties</b>	Fair	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	1.0	<b>Estimated Present Water Level Width:</b>	16.0
	<b>Estimated High Water Level Clearance:</b>	3.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	1	Required	Medium	\$	INSTALL FENDERS
	2	Required	Medium	\$ 750.00	INSTALL BRIDGE AHEAD, LOAD RATING AND DELINEATORS

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 806 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-102	Structure Name:	G5-102	Road Name:	DREAM	Inspection Date:	2019/10/14
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<b>MONITORS</b>	#	Description
	1	MONITOR GUARD RAIL ROT

<b>GENERAL</b>	Inspector's Comment:	DECK WAS COVERED IN FROZEN DIRT AND SNOW SO COULD NOT SEE IF WELL, HOWEVER IT APPEARS TO BE SOUND NOTHING DRIPPING THROUGH, NO SIGNS DELINEATORS, ROTTEN GUARD RAILS, FENDERS POOR
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<b>GENERAL</b>	PEng's Comment:	deck replacement will need to be done soon.
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<b>GENERAL</b>	Estimated Load Restriction (year):	2031	Estimated Replacement (year):			
	Current Inspection Load Rating:	54	Design Load GVW (tonnes):	54	Design Vehicle Config.:	
	Professional Inspection Required?	No	Report Status:	Reviewed By Jason Olmsted on 2020/01/24 15:52:48		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 807 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-130	Structure Name:	G5-130	Road Name:	OMINECA	Inspection Date:	2022/07/09
KM:	2.80	User km:	2.80	Crossing Name:	Beaverpond Creek	Next Inspection Date:	2025/07/09
Project File ID #:	7785	Br.	07	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials	
Superstructure:	Glulam Girder				Right	Pile -Permanent Materials	
Total Length (metres):	11.0	# Spans:	1	Span Width:		Span Length(s) (metres):	11
UTM Zone:	10		UTM Easting:	326838	UTM Northing:	6181858	
Inspector Name:	Mike Hanson, P.Eng., Tyler			Year Superstructure Installed:	1980		
Access:	Access is at kilometer 223 off Fall FSR.						



<b>CHANNEL</b>	Estimated Present Water Level Depth:		Estimated Present Water Level Width:							
	Estimated High Water Level Clearance:									
<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									
<b>REPAIRS</b>	#	Status	Priority	Estimate	Description					
	12	Required	High	\$ 0.00	Replace all wearing deck planks prior to industrial use.					
	13	Required	Medium	\$ 0.00	Replace curbs prior to industrial use at time of wearing deck replacement.					
	14	Required	Medium	\$ 0.00	Install narrow structure signs on each approach.					
	15	Required	Medium	\$ 0.00	Brush out both approaches.					
<b>MONITORS</b>	#	Description								
	1	Monitor soldier piles with mechanical damage and decay for further deterioration. See 2022 close proximity report.								

### Corporate Bridge Register (CBR)

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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 808 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-130	<b>Structure Name:</b>	G5-130	<b>Road Name:</b>	OMINECA	<b>Inspection Date:</b>	2022/07/09
<b>GENERAL</b>	<b>Inspector's Comment:</b>	<p>The bridge is generally in good condition with no significant issues noted. Widespread severe decay was noted throughout the wearing deck, and will require replacement prior to industrial activity. The timber subdeck planks and cross ties are in good condition. Curbs have pockets of moderate to severe decay and will require replacement prior to industrial use. Cross ties were found to be in good condition. Following the wearing deck replacement this crossing can be restored to its intended design vehicle load capacity. Mechanical damage to the left end soldier piles 3 upstream and 2 downstream was noted, but does not currently effect the functionality. Upstream soldier pile 4 was drilled at ground level and found to be rotten with a 25 mm shell remaining. Based on the age of the structure the bridge will reach its original design life in 2030 using a typical 50 year design life for timber glulam bridges.</p>					
<b>GENERAL</b>	<b>PEng's Comment:</b>	See CP inspection report. Load limit remains at 30 tonnes until deck is replaced. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2025	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	30	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/15 09:20:21			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 809 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-010	<b>Structure Name:</b>	G5-010	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20
<b>KM:</b>	6.40	<b>User km:</b>	6.40	<b>Crossing Name:</b>	Keve Creek	<b>Next Inspection Date:</b>	2025/10/20
<b>Project File ID #:</b>	7822	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Pipe Arch			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	2,000			<b>Outlet Cover (mm):</b>	2,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	22.0	<b>Opening Height (mm):</b>	2,000	<b>Opening Width (mm):</b>	4,000		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	359575	<b>UTM Northing:</b>	6116573		
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1988		
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Fair	curve
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Excellent	

### CULVERT ELEMENT

<b>Baffles</b>	Good	
<b>Bolted Connections</b>	Good	
<b>Coupled Connections</b>	Not Applicable	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 810 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-010	<b>Structure Name:</b>	G5-010	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Fair	scoured but still in place					
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

<b>MONITORS</b>	#	Description
	2	Monitor plunge pool currently 50cm from culvert inlet to bottom of plunge pool

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. Monitor plunge distance. Currently 50cm from culvert invert to pool bottom. Potential fish barrier during lower water levels.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	No major concerns. BH
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### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 811 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-010	<b>Structure Name:</b>	G5-010	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2028	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/12/08 13:13:01			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 812 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-011	<b>Structure Name:</b>	G5-011	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20
<b>KM:</b>	14.30	<b>User km:</b>	14.30	<b>Crossing Name:</b>	Purvis Creek	<b>Next Inspection Date:</b>	2025/10/20
<b>Project File ID #:</b>	7822	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Pipe Arch			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	4,000			<b>Outlet Cover (mm):</b>	4,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>	1.0		
<b>Culvert Length (metres):</b>	34.0	<b>Opening Height (mm):</b>	3,426	<b>Opening Width (mm):</b>	4,626		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	355058	<b>UTM Northing:</b>	6122847		
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1991		
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Excellent	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Good	
<b>Coupled Connections</b>	Not Applicable	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 813 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-011	<b>Structure Name:</b>	G5-011	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.5	<b>Estimated Present Water Level Width:</b>	2.5
	<b>Estimated High Water Level Clearance:</b>	1.4		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	2	Required	Low	\$	remove fallen trees from inlet

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. One small dent was noted at the inlet. Trees that have fallen onto inlet should be removed.
	<b>PEng's Comment:</b>	Good. BH

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. One small dent was noted at the inlet. Trees that have fallen onto inlet should be removed.
	<b>PEng's Comment:</b>	Good. BH

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 814 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-011	<b>Structure Name:</b>	G5-011	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2039	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/08 14:52:16				

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 815 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-012	<b>Structure Name:</b>	G5-012A	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20
<b>KM:</b>	15.10	<b>User km:</b>	15.10	<b>Crossing Name:</b>	Fish Creek	<b>Next Inspection Date:</b>	2025/10/20
<b>Project File ID #:</b>	7822	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Concrete		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Steel Pipe and Precast Pad	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Steel Pipe and Precast Pad	
<b>Total Length (metres):</b>	21.3	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	18
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	355081		<b>UTM Northing:</b>	6123608
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2022		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Excellent	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Excellent	
<b>Corrosion Protection</b>	Unrated	not visible
<b>Caps or Sills</b>	Excellent	
<b>Fill</b>	Excellent	
<b>Hardware</b>	Excellent	
<b>Piles or Posts</b>	Excellent	
<b>Riprap</b>	Excellent	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Excellent	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Excellent	

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 816 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G5-012 Structure Name: G5-012A Road Name: DRIFTWOOD Inspection Date: 2022/10/20

### DECK

#### Span 1

Concrete Deck	Excellent	
Curb Rail/Blocks/Posts	Excellent	
Deck Joints	Good	
Grout Pockets	Excellent	drip channel not formed through deck joints
Hardware	Excellent	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Excellent	
Running Surface	Excellent	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	3.0
	Estimated High Water Level Clearance:	4.0		

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

REPAIRS	#	Status	Priority	Estimate	Description
	1	Not Required	Low	\$	establish drip channel through deck joints on underside

MONITORS	#	Description

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 817 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-012	<b>Structure Name:</b>	G5-012A	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in excellent shape overall. Noted was that the drip channel was not formed through the deck joint. This could be completed with a diamond wheel.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2067	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/08 14:55:02			

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 818 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-034	<b>Structure Name:</b>	G5-034	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2010/08/18
<b>KM:</b>	23.20	<b>User km:</b>	23.20	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2030/08/01
<b>Project File ID #:</b>	7822	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	4,000			<b>Outlet Cover (mm):</b>	4,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	36.0	<b>Opening Height (mm):</b>	1,000	<b>Opening Width (mm):</b>	1,000		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	352405	<b>UTM Northing:</b>	6130298		
<b>Inspector Name:</b>	Susan Forshner			<b>Year Superstructure Installed:</b>	1991		
<b>Access:</b>	Minor culvert						

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Good	
<b>Coating</b>	Good	
<b>Fill</b>	Good	
<b>Floor</b>	Good	Rust
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	
<b>Inlet</b>	Good	
<b>Outlet</b>	Fair	perched x 2
<b>Overall</b>	Good	
<b>Riprap</b>	Not Applicable	

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 819 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-034	<b>Structure Name:</b>	G5-034	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2010/08/18
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<b>Roof</b>	Good
<b>Side Walls</b>	Good
<b>Trash Rack</b>	Not Applicable
<b>Wiers/Backwater Structures</b>	Not Applicable
<b>Wing Wall</b>	Not Applicable

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	0.7
	<b>Estimated High Water Level Clearance:</b>	0.6		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

<b>MONITORS</b>	#	Description
	1	Monitor outlets, both perched

<b>GENERAL</b>	<b>Inspector's Comment:</b>	both outlets are perched - monitor
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments
----------------	------------------------	---

<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2030	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91
	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By IDIR\RMGETZLA on 2012/04/10 09:32:35

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 820 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-013	<b>Structure Name:</b>	G5-013	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20
<b>KM:</b>	23.40	<b>User km:</b>	23.40	<b>Crossing Name:</b>	Brule Creek	<b>Next Inspection Date:</b>	2025/10/20
<b>Project File ID #:</b>	7822	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Pipe Arch		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	3,000		<b>Outlet Cover (mm):</b>	3,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	26.0	<b>Opening Height (mm):</b>	3,000	<b>Opening Width (mm):</b>	6,000		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	352344	<b>UTM Northing:</b>	6130418		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	1991			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Good	
<b>Bolted Connections</b>	Good	
<b>Coupled Connections</b>	Not Applicable	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Good	

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 821 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-013	<b>Structure Name:</b>	G5-013	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Good						
<b>Wiers/Backwater Structures</b>	Good						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.8	<b>Estimated Present Water Level Width:</b>	5.0
	<b>Estimated High Water Level Clearance:</b>	1.6		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

<b>MONITORS</b>	#	Description
	1	monitor material eroding from inlet right bank. see pics, minor at this point

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Minor erosion noted on inlet Right Bank side of culvert. see photos, should monitor in future inspections and repair if progresses.
	<b>PEng's Comment:</b>	Good. BH

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Minor erosion noted on inlet Right Bank side of culvert. see photos, should monitor in future inspections and repair if progresses.
	<b>PEng's Comment:</b>	Good. BH

**Corporate Bridge Register (CBR)**

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 822 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-013	<b>Structure Name:</b>	G5-013	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2031	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/08 15:00:29				

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 823 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-014	<b>Structure Name:</b>	G5-014	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/09/15
<b>KM:</b>	36.00	<b>User km:</b>	36.00	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2025/09/15
<b>Project File ID #:</b>	7822	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Elliptical		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	350		<b>Outlet Cover (mm):</b>	350			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	26.0	<b>Opening Height (mm):</b>	2,540	<b>Opening Width (mm):</b>	4,140		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	342912	<b>UTM Northing:</b>	6138856		
<b>Inspector Name:</b>	Dustin Anderberg		<b>Year Superstructure Installed:</b>	1992			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	N/A
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	NA
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	NA
<b>Fender Condition</b>	Unrated	NA
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Fair	Some rust on the floor but no concerns.
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Fair	Grader cut out a trench on inlet side
<b>Floor</b>	Good	
<b>Footing</b>	Unrated	NA
<b>Head Wall</b>	Good	Steel sheets extending flush with inlet and outlet
<b>Inlet</b>	Fair	Slight damage from grader to roof lip
<b>Outlet</b>	Good	

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 824 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-014	<b>Structure Name:</b>	G5-014	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/09/15
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<b>Overall</b>	Good
<b>Riprap</b>	Not Applicable
<b>Roof</b>	Good
<b>Side Walls</b>	Good
<b>Trash Rack</b>	Not Applicable
<b>Wiers/Backwater Structures</b>	Not Applicable
<b>Wing Wall</b>	Not Applicable

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.5	<b>Estimated Present Water Level Width:</b>	3.0
	<b>Estimated High Water Level Clearance:</b>	2.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

<b>MONITORS</b>	#	Description
	8	Monitor fill on inlet side. Ditch created by grader may compromise sub grade in future.

<b>GENERAL</b>	<b>Inspector's Comment:</b>	No concerns looks good.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2032	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91
	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/24 08:52:11

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 825 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-015	<b>Structure Name:</b>	G5-015	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2021/07/09	
<b>KM:</b>	37.30	<b>User km:</b>	37.30	<b>Crossing Name:</b>	Andrea Creek	<b>Next Inspection Date:</b>	2024/07/09	
<b>Project File ID #:</b>	7822	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete			<b>Running Surface:</b>	Concrete			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials		
<b>Total Length (metres):</b>	21.3	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	21
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	341750		<b>UTM Northing:</b>	6139445	
<b>Inspector Name:</b>	Dawson Smith			<b>Year Superstructure Installed:</b>	1995			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Poor	log fenders, some missing
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 826 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G5-015    Structure Name: G5-015    Road Name: DRIFTWOOD    Inspection Date: 2021/07/09

### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	
Deck Joints	Good	
Grout Pockets	Not Applicable	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.5	Estimated Present Water Level Width:	3.0
	Estimated High Water Level Clearance:	4.0		

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

REPAIRS	#	Status	Priority	Estimate	Description
	6	Required	Medium	\$	Install missing fenders

MONITORS	#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 827 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-015	<b>Structure Name:</b>	G5-015	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2021/07/09
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Approach fenders an issue. Removed BA signs and LL signs from repairs. GZ					
<b>GENERAL</b>	<b>PEng's Comment:</b>	No major issues. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2035	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/01/20 14:34:54			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 828 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-035	Structure Name:	G5-035	Road Name:	DRIFTWOOD	Inspection Date:	2021/08/31
KM:	49.80	User km:	49.80	Crossing Name:	Unnamed creek	Next Inspection Date:	2024/08/31
Project File ID #:	7822	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	6,000			Outlet Cover (mm):	9,000		
Footing Type:				Gradient (%):	12.0		
Culvert Length (metres):	24.0	Opening Height (mm):	1,600	Opening Width (mm):	1,600		
UTM Zone:	10	UTM Easting:	334555	UTM Northing:	6148157		
Inspector Name:	Gary Zsombor			Year Superstructure Installed:	1990		
Access:							

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Unrated	NA
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Not Applicable	
Coupled Connections	Fair	
Coating	Fair	
Embedment Materials	Not Applicable	
Fill	Good	
Floor	Fair	
Head Wall	Not Applicable	
Inlet	Good	
Outlet	Fair	
Overall	Fair	CMP squashed from poor install but stable

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 829 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-035	<b>Structure Name:</b>	G5-035	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2021/08/31
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<b>Riprap</b>	Good
<b>Roof</b>	Fair
<b>Side Walls</b>	Fair
<b>Trash Rack</b>	Not Applicable
<b>Wiers/Backwater Structures</b>	Not Applicable
<b>Wing Wall</b>	Not Applicable

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	0.5
	<b>Estimated High Water Level Clearance:</b>	0.4		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	4	Required	Low		Culvert is stable. Replacement not required until road upgrade occurs.

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	5m x 1400 mm extension added to outlet @ 2% grade. Poor install.No urgency to replace. Install new CMP when upgrading road section
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Replace during road upgrades. BH
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2030	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91
	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/01/24 11:33:41

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 830 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-036	<b>Structure Name:</b>	G5-036	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2021/08/31
<b>KM:</b>	51.60	<b>User km:</b>	51.60	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2024/08/31
<b>Project File ID #:</b>	7822	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	900			<b>Outlet Cover (mm):</b>	1,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>	4.0		
<b>Culvert Length (metres):</b>	19.0	<b>Opening Height (mm):</b>	1,500	<b>Opening Width (mm):</b>	1,500		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	332888	<b>UTM Northing:</b>	6148699		
<b>Inspector Name:</b>	Gary Zsombor			<b>Year Superstructure Installed:</b>	1990		
<b>Access:</b>	Minor culvert						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Head Wall</b>	Not Applicable	
<b>Inlet</b>	Good	
<b>Outlet</b>	Fair	0.6m plunge pool
<b>Overall</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 831 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-036	<b>Structure Name:</b>	G5-036	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2021/08/31
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<b>Riprap</b>	Good
<b>Roof</b>	Good
<b>Side Walls</b>	Fair
<b>Trash Rack</b>	Not Applicable
<b>Wiers/Backwater Structures</b>	Not Applicable
<b>Wing Wall</b>	Not Applicable

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	4.0
	<b>Estimated High Water Level Clearance:</b>	0.6		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Replace with 9m slab bridge with future road upgrade
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Consider replacement during road upgrades. BH
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2030	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91
	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/01/24 12:52:34

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 832 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-016	<b>Structure Name:</b>	G5-016	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2023/09/04
<b>KM:</b>	53.60	<b>User km:</b>	53.00	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2026/09/04
<b>Project File ID #:</b>	7822	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	500			<b>Outlet Cover (mm):</b>	1,300		
<b>Footing Type:</b>				<b>Gradient (%):</b>	9.0		
<b>Culvert Length (metres):</b>	21.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	331258	<b>UTM Northing:</b>	6149046		
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1990		
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Excellent	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Fair	coating of rust on bottom half of pipe. superficial at this point
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	scoured 48 inches at outlet of pipe
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 833 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-016	<b>Structure Name:</b>	G5-016	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2023/09/04
<b>Inlet</b>	Good						
<b>Outlet</b>	Fair						
<b>Overall</b>	Fair						
<b>Riprap</b>	Fair						
<b>Roof</b>	Fair	sagging mid pipe					
<b>Side Walls</b>	Fair	oblong mid pipe					
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	3.0
	<b>Estimated High Water Level Clearance:</b>	1.1		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	7	Required	Medium	\$ 0.00	Replace culvert as part of road upgrade.

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Plunge distance appears to have increased since previous inspections. Currently sitting at 50 inches from culvert outlet to bottom of plunge pool. Fill below outlet is scoured 48 inches from outlet along bottom of culvert into fill. There is a substantial sag in the culvert roof. All items of concern have been previously identified. PEng to assess new scour information and make recommendations if required.
	<b>PEng's Comment:</b>	Should be replaced as part of Driftwood upgrades. BH

<b>GENERAL</b>	<b>PEng's Comment:</b>	Should be replaced as part of Driftwood upgrades. BH

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 834 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-016	<b>Structure Name:</b>	G5-016	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2023/09/04	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/11/01 09:25:19			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 835 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-017	<b>Structure Name:</b>	G5-017	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2023/09/04
<b>KM:</b>	54.20	<b>User km:</b>	54.20	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2026/09/04
<b>Project File ID #:</b>	7822	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,000		<b>Outlet Cover (mm):</b>	1,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	24.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	330379	<b>UTM Northing:</b>	6149328		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	1990			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Excellent	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Fair	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Fair	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 836 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-017	<b>Structure Name:</b>	G5-017	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2023/09/04
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Fair						
<b>Riprap</b>	Fair						
<b>Roof</b>	Fair						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	2.5
	<b>Estimated High Water Level Clearance:</b>	0.6		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	3	Required	Medium	\$	Clear wood debris from inlet

<b>MONITORS</b>	#	Description
	8	Scour currently 22 inches from outlet to bottom of plunge pool
	9	deformation of roof currently 1600mm from roof to floor

<b>GENERAL</b>	<b>Inspector's Comment:</b>	This culvert see the majority of the flow at lower water levels. There is a small woody debris wedge at the inlet that should be removed. Scour has created a 22 inch plunge at the outlet. The shape of this pipe is oblong (depression in roof) mid pipe with a measurement of 1600mm taken from roof to floor.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Ok. BH
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 837 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-017	<b>Structure Name:</b>	G5-017	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2023/09/04
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/11/01 09:39:28		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 838 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-017	<b>Structure Name:</b>	G5-017-2	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2023/09/04
<b>KM:</b>	54.20	<b>User km:</b>	54.20	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2026/09/04
<b>Project File ID #:</b>	7822	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	1,000			<b>Outlet Cover (mm):</b>	1,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	18.0	<b>Opening Height (mm):</b>	1,000	<b>Opening Width (mm):</b>	1,000		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	330379	<b>UTM Northing:</b>	6149328		
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1990		
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Excellent	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 839 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-017	Structure Name:	G5-017-2	Road Name:	DRIFTWOOD	Inspection Date:	2023/09/04
Inlet	Good						
Outlet	Good						
Overall	Good						
Riprap	Good						
Roof	Good						
Side Walls	Good						
Trash Rack	Not Applicable						
Wiers/Backwater Structures	Not Applicable						
Wing Wall	Not Applicable						

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	2.5
	Estimated High Water Level Clearance:	0.6		

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

REPAIRS	#	Status	Priority	Estimate	Description

MONITORS	#	Description

GENERAL	Inspector's Comment:	This inspection is for the overflow pipe that is dry during lower water conditions.

GENERAL	PEng's Comment:	ok. BH

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 840 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-017	<b>Structure Name:</b>	G5-017-2	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2023/09/04
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/11/01 09:33:41		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 841 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-040	<b>Structure Name:</b>	G5-040	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/21	
<b>KM:</b>	59.70	<b>User km:</b>	59.70	<b>Crossing Name:</b>	Nation River	<b>Next Inspection Date:</b>	2025/10/21	
<b>Project File ID #:</b>	7822	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Not Available			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Steel Pipe and Precast Pad		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Steel Pipe and Precast Pad		
<b>Total Length (metres):</b>	16.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	16
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	326106		<b>UTM Northing:</b>	6151745	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1999			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	1	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 842 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-040	Structure Name:	G5-040	Road Name:	DRIFTWOOD	Inspection Date:	2022/10/21
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	replace
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.3	Estimated Present Water Level Width:	2.6
Estimated High Water Level Clearance:	1.5		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
4	Required	Low		Add one left delineator
5	Required	Medium		Replace Guardrails

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 843 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-040	<b>Structure Name:</b>	G5-040	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/21
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall. Guardrails have been damaged in several areas and should be replaced. The crack on the concrete cap beam does not appear to be an issue - see pic.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Several risers damaged or out of place. Complete repair items. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2049		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/08 08:58:56			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 844 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-041	<b>Structure Name:</b>	G5-041	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/21
<b>KM:</b>	62.10	<b>User km:</b>	61.10	<b>Crossing Name:</b>	Un-named	<b>Next Inspection Date:</b>	2025/10/21
<b>Project File ID #:</b>	7822	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Open Bottom		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	700		<b>Outlet Cover (mm):</b>	1,100			
<b>Footing Type:</b>	Steel Footing		<b>Gradient (%):</b>	3.9			
<b>Culvert Length (metres):</b>	15.2	<b>Opening Height (mm):</b>	1,524	<b>Opening Width (mm):</b>	3,048		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	324059	<b>UTM Northing:</b>	6151805		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	2012			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Good	
<b>Coupled Connections</b>	Not Applicable	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Not Applicable	
<b>Footing</b>	Good	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 845 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-041	<b>Structure Name:</b>	G5-041	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/21
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good	one chunk of riprap in middle of the creek at inlet					
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	1	Required	Low		Remove geotextil from outlet of culvert
	2	Required	Low		Remove piece of riprap from inlet

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. There is a piece of riprap in the middle of the creek at the inlet. This should be removed next available opportunity. there is also geotextile hanging over the outside edges of the culvert at the outlet, potential for debris to get hung up, should fix.
	<b>PEng's Comment:</b>	No concerns. BH

<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 846 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-041	<b>Structure Name:</b>	G5-041	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/21
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2047	<b>Estimated Replacement (year):</b>		2047	
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b> L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b> Reviewed By Bruce Henderson on 2022/12/09 15:10:36				

### Corporate Bridge Register (CBR)

Disclaimer:  
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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 847 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-020	<b>Structure Name:</b>	G5-020	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20
<b>KM:</b>	67.50	<b>User km:</b>	64.70	<b>Crossing Name:</b>	MacLaing Creek	<b>Next Inspection Date:</b>	2025/10/20
<b>Project File ID #:</b>	7822	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	1,000			<b>Outlet Cover (mm):</b>	1,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	15.0	<b>Opening Height (mm):</b>	2,000	<b>Opening Width (mm):</b>	2,000		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	320655	<b>UTM Northing:</b>	6153181		
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1987		
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Excellent	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 848 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-020	<b>Structure Name:</b>	G5-020	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	1.4		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall

<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 849 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-020	<b>Structure Name:</b>	G5-020	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2027	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 14:11:34				

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 850 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-020	Structure Name:	G5-020-2	Road Name:	DRIFTWOOD	Inspection Date:	2022/10/20
KM:	67.50	User km:	64.70	Crossing Name:	MacLaing Creek	Next Inspection Date:	2025/10/20
Project File ID #:	7822	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	1,000			Outlet Cover (mm):	1,000		
Footing Type:				Gradient (%):			
Culvert Length (metres):	15.0	Opening Height (mm):	2,000	Opening Width (mm):	2,000		
UTM Zone:	10	UTM Easting:	320655	UTM Northing:	6153181		
Inspector Name:	John Brett			Year Superstructure Installed:	1987		
Access:							

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Not Applicable	
Coupled Connections	Good	
Coating	Good	
Embedment Materials	Not Applicable	
Fill	Good	
Floor	Good	
Footing	Not Applicable	
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 851 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-020	<b>Structure Name:</b>	G5-020-2	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	1.4		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall, no issues noted.

<b>GENERAL</b>	<b>PEng's Comment:</b>	Culvert is inlet on left. No issues. BH

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 852 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-020	<b>Structure Name:</b>	G5-020-2	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2027	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 14:12:53				

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 853 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-021	<b>Structure Name:</b>	G5-021-2	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20
<b>KM:</b>	75.90	<b>User km:</b>	76.20	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2025/10/20
<b>Project File ID #:</b>	7822	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,000		<b>Outlet Cover (mm):</b>	1,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	25.0	<b>Opening Height (mm):</b>	1,500	<b>Opening Width (mm):</b>	1,500		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	313001	<b>UTM Northing:</b>	6158085		
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	1979			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 854 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-021	<b>Structure Name:</b>	G5-021-2	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Fair	not much riprap at inlet, erosion occurring					
<b>Roof</b>	Fair	slightly crushed					
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	2.5
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	2	Required	Medium	\$	place riprap around inlet where fill has eroded

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. Riprap should be placed at the inlets to prevent erosion. bottom section of pipe is crushed and should be monitored.
	<b>PEng's Comment:</b>	Ok. BH

<b>GENERAL</b>	<b>PEng's Comment:</b>	Ok. BH
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### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 855 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-021	<b>Structure Name:</b>	G5-021-2	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2029	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/12/09 14:19:38		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 856 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-021	<b>Structure Name:</b>	G5-021	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20
<b>KM:</b>	75.90	<b>User km:</b>	76.20	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2025/10/20
<b>Project File ID #:</b>	7822	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	1,000			<b>Outlet Cover (mm):</b>	1,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	25.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	313001	<b>UTM Northing:</b>	6158085		
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1979		
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 857 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-021	<b>Structure Name:</b>	G5-021	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	2.5
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	2	Required	Medium	\$	Place riprap at inlet approximately 20m3

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culverts are in fair shape overall. There is erosion at the inlet of the culverts between the two culverts and some riprap could be added to prevent this.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH
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### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 858 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-021	<b>Structure Name:</b>	G5-021	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2029	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/12/09 14:24:21			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 859 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-022	Structure Name:	G5-022	Road Name:	DRIFTWOOD	Inspection Date:	2022/10/20
KM:	77.10	User km:	78.70	Crossing Name:	Bernie Creek	Next Inspection Date:	2025/10/20
Project File ID #:	7822	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials	
Superstructure:	Steel I-beam				Right	Pile -Permanent Materials	
Total Length (metres):	15.0	# Spans:	1	Span Width:			Span Length(s) (metres): 15
UTM Zone:	10		UTM Easting:	312866		UTM Northing:	6159322
Inspector Name:	John Brett			Year Superstructure Installed:	1996		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Fair	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
- Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 860 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-022	Structure Name:	G5-022	Road Name:	DRIFTWOOD	Inspection Date:	2022/10/20
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	one section scuffed
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	3.0
Estimated High Water Level Clearance:	2.0		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 861 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-022	<b>Structure Name:</b>	G5-022	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall. no deck joint cracks noted during inspection and previous inspection did not include photos.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2036		<b>Estimated Replacement (year):</b>	2036		
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/08 08:41:15			

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 862 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-023	Structure Name:	G5-023	Road Name:	DRIFTWOOD	Inspection Date:	2021/07/20
KM:	82.80	User km:	80.80	Crossing Name:	Hudson Bay Creek	Next Inspection Date:	2024/07/20
Project File ID #:	7822	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials	
Superstructure:	Steel I-beam				Right	Pile -Permanent Materials	
Total Length (metres):	15.7	# Spans:	1	Span Width:			Span Length(s) (metres): 15.7
UTM Zone:	10		UTM Easting:	313194		UTM Northing:	6163376
Inspector Name:	Dawson Smith			Year Superstructure Installed:	2001		
Access:	82.8 Km Driftwood FSR Bridge has been rebuilt in 2001.						

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	2	
Brushing Required	No	
Fender Condition	Fair	some out of place
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### DECK

#### Span 1

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 863 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-023	<b>Structure Name:</b>	G5-023	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2021/07/20
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<b>Concrete Deck</b>	Good	
<b>Curb Rail/Blocks/Posts</b>	Fair	showing decay
<b>Deck Joints</b>	Good	
<b>Grout Pockets</b>	Not Applicable	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Overall Deck Condition</b>	Good	
<b>Running Surface</b>	Good	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.5	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	3.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	5	Required	Low	\$ 250.00	Replace 2 delineators
	7	Required	Medium	\$	Replace curbs
	8	Required	Low	\$	Replace knocked over fenders
	9	Required	Low		Install 2 bridge ahead signs

<b>MONITORS</b>	#	Description
	6	Monitor rot in guardrails and riser blocks

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 864 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-023	<b>Structure Name:</b>	G5-023	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2021/07/20
<b>GENERAL</b>	<b>Inspector's Comment:</b>	No up/down stream pics, did not rate grout pockets, rail & riser rot not clearly identified.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Inspection is fine. No concerns. CP					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2051		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Colton Polsom on 2022/05/31 14:36:27			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 865 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-024	Structure Name:	G5-024A	Road Name:	DRIFTWOOD	Inspection Date:	2022/10/20
KM:	92.80	User km:	92.80	Crossing Name:	Teegee Creek #1	Next Inspection Date:	2024/10/20
Project File ID #:	7822	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated - Panels			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Sill -Temporary Materials	
Superstructure:	Steel I-beam				Right	Sill -Temporary Materials	
Total Length (metres):	15.2	# Spans:	1	Span Width:			Span Length(s) (metres): 15.2
UTM Zone:	9		UTM Easting:	684895		UTM Northing:	6167464
Inspector Name:	John Brett			Year Superstructure Installed:	2019		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Road Surface	Good	

### DECK

#### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 866 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b> G5-024	<b>Structure Name:</b> G5-024A	<b>Road Name:</b> DRIFTWOOD	<b>Inspection Date:</b> 2022/10/20
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### Span 1

<b>Curb Rail/Blocks/Posts</b>	Good	one rail section damaged
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Good	
<b>Running Planks</b>	Good	
<b>Sub Deck</b>	Good	
<b>Ties</b>	Good	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	3.0
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	4	Required	Low	\$	replace broken section of guardrail. will require one piece of 10 ft 10x10

<b>MONITORS</b>	#	Description

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 867 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-024	<b>Structure Name:</b>	G5-024A	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall. One section of guardrail is damaged and should be replaced. Deck clips are missing on the right bank upstream panel, 2 clips required. No settlement of sill logs was noted during the inspection					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Good. bh					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2030	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>		<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/08 08:57:36			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 868 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-025	<b>Structure Name:</b>	G5-025	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20
<b>KM:</b>	99.80	<b>User km:</b>	99.80	<b>Crossing Name:</b>	French Creek	<b>Next Inspection Date:</b>	2025/10/20
<b>Project File ID #:</b>	7822	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Not Available		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials	
<b>Total Length (metres):</b>	24.4	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	24.4
<b>UTM Zone:</b>	9		<b>UTM Easting:</b>	680653	<b>UTM Northing:</b>	6173044	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2003		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Good	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 869 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-025	Structure Name:	G5-025	Road Name:	DRIFTWOOD	Inspection Date:	2022/10/20
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	2.2	Estimated Present Water Level Width:	3.0
Estimated High Water Level Clearance:	3.5		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description

### MONITORS

#	Description
1	Scour of riprap on right bank, see photos

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 870 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-025	<b>Structure Name:</b>	G5-025	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/20
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in good shape overall. Riprap erosion noted at the toe of riprap apron on the right bank abutment					
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns, BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2053		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 14:25:49			

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 871 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-026	<b>Structure Name:</b>	G5-026	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/21	
<b>KM:</b>	106.50	<b>User km:</b>	106.50	<b>Crossing Name:</b>	Sitlika Creek	<b>Next Inspection Date:</b>	2025/10/21	
<b>Project File ID #:</b>	7822	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete			<b>Running Surface:</b>	Not Available			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials		
<b>Total Length (metres):</b>	15.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	15
<b>UTM Zone:</b>	9		<b>UTM Easting:</b>	676884		<b>UTM Northing:</b>	6178411	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1996			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Fair	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	bit of bulge
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Fair	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	
<b>Road Surface</b>	Good	

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 872 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-026	Structure Name:	G5-026	Road Name:	DRIFTWOOD	Inspection Date:	2022/10/21
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Fair	some damage to repair
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.3	Estimated Present Water Level Width:	2.5
Estimated High Water Level Clearance:	2.4		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
5	Required	Low	\$	Repair Guardrail, wil require: 3 riser blocks - 10x10 1 railsection 20 ft of 10x10 one 8x10 treated bracket

### MONITORS

#	Description
2	Bearing Bulge on Right Abutment - see pics

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 873 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-026	<b>Structure Name:</b>	G5-026	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/21
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall. One section of guardrail and some riser blocks / brackets have been damaged and should be replaced. No issues were noted with joints during the inspection - monitor item. Bearing bulge noted on the right bank abutment, see pics, monitor					
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2036		<b>Estimated Replacement (year):</b>	2036		
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 14:58:48			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 874 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-027	<b>Structure Name:</b>	G5-027	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/21
<b>KM:</b>	109.70	<b>User km:</b>	109.70	<b>Crossing Name:</b>	Bates Creek	<b>Next Inspection Date:</b>	2025/10/21
<b>Project File ID #:</b>	7822	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Concrete			<b>Running Surface:</b>	Not Available		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials	
<b>Total Length (metres):</b>	18.0	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	18
<b>UTM Zone:</b>	9		<b>UTM Easting:</b>	673953		<b>UTM Northing:</b>	6179658
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>	1995			
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Fair	See pics for bearing condition - delaminating
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Fair	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	1	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Fair	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	
<b>Road Surface</b>	Fair	

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 875 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-027	Structure Name:	G5-027	Road Name:	DRIFTWOOD	Inspection Date:	2022/10/21
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Fair	one broken block on left bank end
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	3.5
Estimated High Water Level Clearance:	2.5		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
4	Required	Low		Install new approach fenders
5	Required	Low		Replace damaged riser block on left bank end 1 piece 10x10 riser block
6	Required	Low	\$ 0.00	Add one left delineator

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 876 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-027	<b>Structure Name:</b>	G5-027	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/21
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall. Gurd rail has been impacted and requires repair. Bearings are still intact but should be monitored in future inspections. See pics. In regards to the deck joint monitor, there are no baseline pics for this (on the offline inspection) and no issues were noted during the inspection in regards to deck joints. Bearing monitor pics included, still intact and functioning but difficult to say if delamination has progressed.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Continue with monitoring. Pictures do not show deck joint condition however this bridge is non-composite and joints are not structural. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2035	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 15:07:25			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 877 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-045	<b>Structure Name:</b>	G5-045	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/21	
<b>KM:</b>	118.50	<b>User km:</b>	118.50	<b>Crossing Name:</b>	Lion Creek	<b>Next Inspection Date:</b>	2025/10/21	
<b>Project File ID #:</b>	7822	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete			<b>Running Surface:</b>	Not Available			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials		
<b>Total Length (metres):</b>	70.4	<b># Spans:</b>	2	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	35.2, 35.2
<b>UTM Zone:</b>	9		<b>UTM Easting:</b>	666687		<b>UTM Northing:</b>	6184285	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1999			
<b>Access:</b>	2 WDr 118.5 Driftwood FSR							

### ABUTMENTS

<b>Bearings</b>	Good
<b>Bracing</b>	Not Applicable
<b>Ballast Wall</b>	Good
<b>Corrosion Protection</b>	Not Applicable
<b>Caps or Sills</b>	Good
<b>Fill</b>	Good
<b>Hardware</b>	Good
<b>Piles or Posts</b>	Good
<b>Riprap</b>	Good
<b>Wing Wall</b>	Not Applicable

### APPROACHES

<b>Alignment</b>	Good
<b>Bridge Ahead Signs Missing</b>	0
<b>Brushing Required</b>	No
<b>Delineator Missing Left (approaching structure)</b>	1
<b>Delineator Missing Right (approaching structure)</b>	1
<b>Fender Condition</b>	Good
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0
<b>Road Surface</b>	Good

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 878 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-045	Structure Name:	G5-045	Road Name:	DRIFTWOOD	Inspection Date:	2022/10/21
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	some treated brackets are still good
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Poor	some damaged
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

#### Span 2

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	replace
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Poor	replace
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Good	

#### Span 2

Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 879 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-045	<b>Structure Name:</b>	G5-045	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/10/21			
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.3	<b>Estimated Present Water Level Width:</b>	8.0						
	<b>Estimated High Water Level Clearance:</b>	3.0								
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>					
	5	Required	High	\$ 0.00	Replace entire guardrails 8 treated timber brackets need to be replaced, rest are ok.					
	6	Required	Medium		RegROUT deck joints.					
<b>MONITORS</b>	<b>#</b>	<b>Description</b>								
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall aside from the guardrails. Some work has been recently completed to upgrade riser blocks however overall condition warrants full guardrail replacement. majority of brackets are treated timber and can be reused. 8 brackets noted as damaged and requiring replacement.								
<b>GENERAL</b>	<b>PEng's Comment:</b>	Replace guardrails. Repairs should be done as soon as possible. Downrated to 0 tonnes. BH								
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2049	<b>Estimated Replacement (year):</b>							
	<b>Current Inspection Load Rating:</b>	0	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100				
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/15 14:32:56						

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 880 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-033	<b>Structure Name:</b>	G5-033	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/11/11	
<b>KM:</b>	140.50	<b>User km:</b>	132.00	<b>Crossing Name:</b>	Driftwood River #3	<b>Next Inspection Date:</b>	2025/11/11	
<b>Project File ID #:</b>	7822	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Concrete			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials		
<b>Total Length (metres):</b>	48.0	<b># Spans:</b>	3	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	16, 16, 16
<b>UTM Zone:</b>	9		<b>UTM Easting:</b>	657705		<b>UTM Northing:</b>	6193991	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1993			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Fair	not much but no issues at this point
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Poor	rotten - replace
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Fair	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 881 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-033	Structure Name:	G5-033	Road Name:	DRIFTWOOD	Inspection Date:	2022/11/11
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	rotten - replace
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

#### Span 2

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	rotten - replace
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

#### Span 3

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	rotten - replace
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### PIERS

#### Pier 1

Bearings	Good	
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 882 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-033	Structure Name:	G5-033	Road Name:	DRIFTWOOD	Inspection Date:	2022/11/11
<b>Bracing or Sheathing</b>	Good						
<b>Caps</b>	Good						
<b>Cribs</b>	Not Applicable						
<b>Dolphins</b>	Not Applicable						
<b>Hardware</b>	Good						
<b>Overall</b>	Good						
<b>Piles or Posts</b>	Good						
<b>Riprap</b>	Not Applicable						
<b>Wall</b>	Not Applicable						
<b>Pier 2</b>							
<b>Bearings</b>	Good						
<b>Bracing or Sheathing</b>	Good						
<b>Caps</b>	Good						
<b>Cribs</b>	Not Applicable						
<b>Dolphins</b>	Not Applicable						
<b>Hardware</b>	Good						
<b>Overall</b>	Good						
<b>Piles or Posts</b>	Good						
<b>Riprap</b>	Not Applicable						
<b>Wall</b>	Not Applicable						
<b>SUPERSTRUCTURE</b>							
<b>Span 1</b>							
<b>Bracing</b>	Good						
<b>Diaphragms</b>	Good						
<b>Girders</b>	Good						
<b>Hardware</b>	Good						
<b>Under Trussing</b>	Not Applicable						
<b>Span 2</b>							
<b>Bracing</b>	Good						
<b>Diaphragms</b>	Fair						
<b>Girders</b>	Good						

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 883 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-033	<b>Structure Name:</b>	G5-033	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/11/11			
<b>Hardware</b>	Good									
<b>Under Trussing</b>	Not Applicable									
<b>Span 3</b>										
<b>Bracing</b>	Good									
<b>Diaphragms</b>	Good									
<b>Girders</b>	Good									
<b>Hardware</b>	Good									
<b>Under Trussing</b>	Not Applicable									
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>		0.4		<b>Estimated Present Water Level Width:</b>		20.0			
	<b>Estimated High Water Level Clearance:</b>		4.0							
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>					
	6	Required	Low		Install new approach fenders					
	7	Required	High		Replace guardrails. Requires 34 blocks/risers and 100m of 10"x10" timber					
	8	Required	Medium		Grout deck joints where needed.					
<b>MONITORS</b>	<b>#</b>	<b>Description</b>								
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge has been inactive from hauling for some time. Guardrails and approach fenders are rotten and require replacement. Otherwise structure is looking good.								
	<b>PEng's Comment:</b>	Replace guard rails soon. BH								

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 884 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-033	<b>Structure Name:</b>	G5-033	<b>Road Name:</b>	DRIFTWOOD	<b>Inspection Date:</b>	2022/11/11	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2033	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 15:09:46				

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 885 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-050	<b>Structure Name:</b>	G5-050	<b>Road Name:</b>	ANKWILL	<b>Inspection Date:</b>	2022/10/21
<b>KM:</b>	0.10	<b>User km:</b>	6.50	<b>Crossing Name:</b>	Blackwater Creek	<b>Next Inspection Date:</b>	2025/10/21
<b>Project File ID #:</b>	7822	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Concrete			<b>Running Surface:</b>	Concrete		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials	
<b>Total Length (metres):</b>	15.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b> 15
<b>UTM Zone:</b>	9		<b>UTM Easting:</b>	669426		<b>UTM Northing:</b>	6178275
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1994		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	1	
<b>Fender Condition</b>	Fair	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Fair	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 886 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-050	Structure Name:	G5-050	Road Name:	ANKWILL	Inspection Date:	2022/10/21
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	rotten replace
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	4.0
	Estimated High Water Level Clearance:	1.5		

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

REPAIRS	#	Status	Priority	Estimate	Description
	4	Required	High		Replace Guardrails. Requires 14 blocks/riser and 30m of 10"x10" timber curbing.

MONITORS	#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 887 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-050	<b>Structure Name:</b>	G5-050	<b>Road Name:</b>	ANKWILL	<b>Inspection Date:</b>	2022/10/21
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structrue is good overall but will require guardrail replacement.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Replace guardrails. Bridge could be down rated at any time. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2034		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 15:13:12			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 888 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-051	<b>Structure Name:</b>	G5-051	<b>Road Name:</b>	ANKWILL	<b>Inspection Date:</b>	2021/07/20
<b>KM:</b>	10.50	<b>User km:</b>	17.00	<b>Crossing Name:</b>	Ankwill Creek	<b>Next Inspection Date:</b>	2021/10/11
<b>Project File ID #:</b>	7822	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Not Available		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials	
<b>Superstructure:</b>	Glulam Girder				<b>Right</b>	Pile -Permanent Materials	
<b>Total Length (metres):</b>	21.0	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	21
<b>UTM Zone:</b>	9		<b>UTM Easting:</b>	676663		<b>UTM Northing:</b>	6171568
<b>Inspector Name:</b>	Dawson Smith			<b>Year Superstructure Installed:</b>	1979		
<b>Access:</b>	Road washed out at 6 km. No access to bridge site in 2021 or 2022. Planned for deactivation in 2023.						



<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>		<b>Estimated Present Water Level Width:</b>							
	<b>Estimated High Water Level Clearance:</b>									
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>					
<b>MONITORS</b>	<b>#</b>	<b>Description</b>								
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Ankwill road washed out at approx 6kms, can't access bridge site.								
<b>GENERAL</b>	<b>PEng's Comment:</b>									

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 889 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-051	<b>Structure Name:</b>	G5-051	<b>Road Name:</b>	ANKWILL	<b>Inspection Date:</b>	2021/07/20
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2024	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	See footnote	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Rejected By IDIR\BHENDERS on 2022/01/24 12:43:45			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 890 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-052	<b>Structure Name:</b>	G5-052	<b>Road Name:</b>	ANKWILL	<b>Inspection Date:</b>	2022/08/03
<b>KM:</b>	20.40	<b>User km:</b>	20.00	<b>Crossing Name:</b>	Eh? Creek	<b>Next Inspection Date:</b>	2025/08/03
<b>Project File ID #:</b>	7822	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,200		<b>Outlet Cover (mm):</b>	1,400			
<b>Footing Type:</b>			<b>Gradient (%):</b>	5.0			
<b>Culvert Length (metres):</b>	19.0	<b>Opening Height (mm):</b>	2,700	<b>Opening Width (mm):</b>	2,700		
<b>UTM Zone:</b>	9	<b>UTM Easting:</b>	673685	<b>UTM Northing:</b>	6166249		
<b>Inspector Name:</b>	Gary Zsombor		<b>Year Superstructure Installed:</b>	1995			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	Unrated	None
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Fair	Rust on floor
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Good	
<b>Head Wall</b>	Not Applicable	
<b>Inlet</b>	Good	
<b>Outlet</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 891 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-052	<b>Structure Name:</b>	G5-052	<b>Road Name:</b>	ANKWILL	<b>Inspection Date:</b>	2022/08/03
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<b>Overall</b>	Good
<b>Riprap</b>	Good
<b>Roof</b>	Good
<b>Side Walls</b>	Good
<b>Trash Rack</b>	Not Applicable
<b>Wiers/Backwater Structures</b>	Not Applicable
<b>Wing Wall</b>	Not Applicable

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.3	<b>Estimated Present Water Level Width:</b>	5.0
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Deactivation planned for 2023
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<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2035	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91
	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/13 10:33:45

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 892 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-028	<b>Structure Name:</b>	G5-028	<b>Road Name:</b>	SOUTH	<b>Inspection Date:</b>	2016/07/02
<b>KM:</b>	114.90	<b>User km:</b>	4.90	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2016/07/02
<b>Project File ID #:</b>	7822	<b>Br.</b>	05	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	4,000		<b>Outlet Cover (mm):</b>	4,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	24.0	<b>Opening Height (mm):</b>	1,000	<b>Opening Width (mm):</b>	1,000		
<b>UTM Zone:</b>	9	<b>UTM Easting:</b>	670461	<b>UTM Northing:</b>	6179622		
<b>Inspector Name:</b>	Donovan J. A. Melin		<b>Year Superstructure Installed:</b>	1991			
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Fair	rusting
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Fair	rusting
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	
<b>Inlet</b>	Good	
<b>Outlet</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 893 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-028	<b>Structure Name:</b>	G5-028	<b>Road Name:</b>	SOUTH	<b>Inspection Date:</b>	2016/07/02
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<b>Overall</b>	Good
<b>Riprap</b>	Not Applicable
<b>Roof</b>	Good
<b>Side Walls</b>	Good
<b>Trash Rack</b>	Not Applicable
<b>Wiers/Backwater Structures</b>	Not Applicable
<b>Wing Wall</b>	Not Applicable

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	1.0	<b>Estimated Present Water Level Width:</b>	20.0
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	Yes	<b>Aggradation:</b>	No
	<b>Comment:</b>	Blocked by beavers, but the pond is empty.								

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	1	Required	High	\$ 600.00	Remove beaver dam.

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	The inlet is blocked by beavers still. Culvert is in fair condition - but not very functional due to the plugging.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2031	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91
	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jason Olmsted on 2017/02/16 14:11:02

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 894 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-029	Structure Name:	G5-029	Road Name:	SOUTH	Inspection Date:	2021/09/21	
KM:	6.30	User km:	6.30	Crossing Name:	Driftwood River #1	Next Inspection Date:	2024/09/21	
Project File ID #:	7822	Br.	05	Forest District:	Stuart Nechako Natural Resource District			
Deck Type:	Timber - Treated			Running Surface:	Not Available			
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials		
Superstructure:	Steel I-beam				Right	Pile -Permanent Materials		
Total Length (metres):	64.6	# Spans:	4	Span Width:			Span Length(s) (metres):	8.8, 18.4, 18.4, 19
UTM Zone:	9		UTM Easting:	669704		UTM Northing:	6178886	
Inspector Name:	Kody Pepper			Year Superstructure Installed:	1991			
Access:								

### ABUTMENTS

Bearings	Fair	Both abutment bearings had a slight rotation towards the channel
Bracing	Fair	No issues noted
Ballast Wall	Fair	Right abutment was pressure treated timber and left abutment was creosote timber. Both abutment walls were good during sounding but was notably deflected towards the channel. The tie back piles on the right abutment wall were bearing against the abutment pile bracing and pile cap. Left abutment upstream abutment wall pile was split and deteriorating
Corrosion Protection	Not Applicable	N/A
Caps or Sills	Good	Only the right abutment has a cap beam. Left abutment girders bear directly on piles.
Fill	Fair	Movement in the ballast wall towards the channel on both abutments
Hardware	Not Applicable	N/A
Piles or Posts	Good	2 piles for the left and 4 for the right abutment
Riprap	Fair	Minor rip rap but in adequate condition
Wing Wall	Not Applicable	N/A

### APPROACHES

Alignment	Fair	Steep approach on both sides
Bridge Ahead Signs Missing	2	Both approaches are missing bridge ahead sign
Brushing Required	Yes	Brushing required at both approaches
Delineator Missing Left (approaching structure)	0	Both still in place
Delineator Missing Right (approaching structure)	0	Both still in place
Fender Condition	Poor	Approach barrier logs are deteriorated and rotten. 0.95m gap to the bridge and logs are placed on grade.

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 895 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-029	Structure Name:	G5-029	Road Name:	SOUTH	Inspection Date:	2021/09/21
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Posted Load Rating (Enter 0 if sign missing)	0	No load rating signs
Road Surface	Poor	Grading required at both approaches
<b>DECK</b>		
<b>Span 1</b>		
Curb Rail/Blocks/Posts	Poor	Curbs were poor during sounding. Drill samples were very soft with rot and moisture noted.
Deck to Girder Bolts	Poor	Loose curb to tie bolts were noted
Hardware	Not Applicable	N/A
Hand Rails/Walkouts	Not Applicable	N/A
Nails	Fair	No issues noted
Overall Deck Condition	Poor	Replace entire wearing surface and curbs. Monitor subdeck and deck ties for deterioration.
Running Planks	Poor	Wearing surface was noted to be breaking down and in poor condition. Drill samples contained rot and moisture.
Sub Deck	Fair	Some soft sounding spots. Drill samples were dry with no rot
Ties	Fair	Drill samples were good with no rot
<b>Span 2</b>		
Curb Rail/Blocks/Posts	Poor	Curbs were poor during sounding. Drill samples were very soft with rot and moisture noted.
Deck to Girder Bolts	Poor	Loose curb to tie bolts were noted
Hardware	Not Applicable	N/A
Hand Rails/Walkouts	Not Applicable	N/A
Nails	Fair	No issues noted
Overall Deck Condition	Poor	Replace entire wearing surface and curbs. Monitor subdeck and deck ties for deterioration.
Running Planks	Poor	Wearing surface was noted to be breaking down and in poor condition. Drill samples contained rot and moisture.
Sub Deck	Fair	Some soft sounding spots. Drill samples were dry with no rot
Ties	Fair	Drill samples were good with no rot
<b>Span 3</b>		
Curb Rail/Blocks/Posts	Poor	Curbs were poor during sounding. Drill samples were very soft with rot and moisture noted.
Deck to Girder Bolts	Poor	Loose curb to tie bolts were noted
Hardware	Not Applicable	N/A
Hand Rails/Walkouts	Not Applicable	N/A

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 896 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-029	<b>Structure Name:</b>	G5-029	<b>Road Name:</b>	SOUTH	<b>Inspection Date:</b>	2021/09/21
<b>Nails</b>	Fair	No issues noted					
<b>Overall Deck Condition</b>	Poor	Replace entire wearing surface and curbs. Monitor subdeck and deck ties for deterioration.					
<b>Running Planks</b>	Poor	Wearing surface was noted to be breaking down and in poor condition. Drill samples contained rot and moisture.					
<b>Sub Deck</b>	Fair	Some soft sounding spots. Drill samples were dry with no rot					
<b>Ties</b>	Fair	Drill samples were good with no rot. Multiple ties were misaligned or shifted, some cracked					
<b>Span 4</b>							
<b>Curb Rail/Blocks/Posts</b>	Poor	Curbs were poor during sounding. Drill samples were very soft with rot and moisture noted.					
<b>Deck to Girder Bolts</b>	Poor	Loose curb to tie bolts were noted					
<b>Hardware</b>	Not Applicable	N/A					
<b>Hand Rails/Walkouts</b>	Not Applicable	N/A					
<b>Nails</b>	Fair	No issues noted					
<b>Overall Deck Condition</b>	Poor	Replace entire wearing surface and curbs. Monitor subdeck and deck ties for deterioration.					
<b>Running Planks</b>	Poor	Wearing surface was noted to be breaking down and in poor condition. Drill samples contained rot and moisture.					
<b>Sub Deck</b>	Fair	Some soft sounding spots. Drill samples were dry with no rot					
<b>Ties</b>	Fair	Drill samples were good with no rot. Multiple ties were misaligned or shifted, some cracked					
<b>PIERS</b>							
<b>Pier 1</b>							
<b>Bearings</b>	Fair	No issues noted. Gusset plate brackets on the right side of each pier to support the next span					
<b>Bracing or Sheathing</b>	Good	No issues noted					
<b>Caps</b>	Unrated	Girders rest on bearings on the top of the piles					
<b>Cribs</b>	Not Applicable	N/A					
<b>Dolphins</b>	Not Applicable	N/A					
<b>Hardware</b>	Not Applicable	N/A					
<b>Overall</b>	Fair	Driftwood and debris must be removed. Piers must be monitored for movement and damage until driftwood is removed.					
<b>Piles or Posts</b>	Fair	Adequate condition with no damage noted					
<b>Riprap</b>	Not Applicable	N/A					
<b>Wall</b>	Not Applicable	N/A					

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 897 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-029	<b>Structure Name:</b>	G5-029	<b>Road Name:</b>	SOUTH	<b>Inspection Date:</b>	2021/09/21
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### Pier 2

<b>Bearings</b>	Fair	No issues noted. Gusset plate brackets on the right side of each pier to support the next span
<b>Bracing or Sheathing</b>	Good	No issues noted
<b>Caps</b>	Unrated	Girders rest on bearings on the top of the piles
<b>Cribs</b>	Not Applicable	N/A
<b>Dolphins</b>	Not Applicable	N/A
<b>Hardware</b>	Not Applicable	N/A
<b>Overall</b>	Fair	Driftwood and debris must be removed. Piers must be monitored for movement and damage until driftwood is removed.
<b>Piles or Posts</b>	Fair	Significant driftwood and debris against the upstream side
<b>Riprap</b>	Not Applicable	N/A
<b>Wall</b>	Not Applicable	N/A

### Pier 3

<b>Bearings</b>	Fair	No issues noted. Gusset plate brackets on the right side of each pier to support the next span
<b>Bracing or Sheathing</b>	Good	No issues noted
<b>Caps</b>	Unrated	Girders rest on bearings on the top of the piles
<b>Cribs</b>	Not Applicable	N/A
<b>Dolphins</b>	Not Applicable	N/A
<b>Hardware</b>	Not Applicable	N/A
<b>Overall</b>	Fair	Driftwood and debris must be removed. Piers must be monitored for movement and damage until driftwood is removed.
<b>Piles or Posts</b>	Fair	Upstream pile has a dent near the bracket connection, Approximately 1300mm down from the bearing and 19mm inwards. Significant amount of driftwood and debris against the upstream pile
<b>Riprap</b>	Not Applicable	N/A
<b>Wall</b>	Not Applicable	N/A

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	No issues noted
<b>Diaphragms</b>	Good	No issues noted
<b>Girders</b>	Good	Light surface rust and minor debris/moss growth.
<b>Hardware</b>	Not Applicable	N/A

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 898 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-029	<b>Structure Name:</b>	G5-029	<b>Road Name:</b>	SOUTH	<b>Inspection Date:</b>	2021/09/21
<b>Under Trussing</b>	Not Applicable	N/A					
<b>Span 2</b>							
<b>Bracing</b>	Good	No issues noted					
<b>Diaphragms</b>	Good	No issues noted					
<b>Girders</b>	Good	Light surface rust and minor debris/moss growth.					
<b>Hardware</b>	Not Applicable	N/A					
<b>Under Trussing</b>	Not Applicable	N/A					
<b>Span 3</b>							
<b>Bracing</b>	Good	No issues noted					
<b>Diaphragms</b>	Good	No issues noted					
<b>Girders</b>	Good	Light surface rust and minor debris/moss growth.					
<b>Hardware</b>	Not Applicable	N/A					
<b>Under Trussing</b>	Not Applicable	N/A					
<b>Span 4</b>							
<b>Bracing</b>	Good	No issues noted					
<b>Diaphragms</b>	Good	No issues noted					
<b>Girders</b>	Good	Light surface rust and minor debris/moss growth.					
<b>Hardware</b>	Not Applicable	N/A					
<b>Under Trussing</b>	Not Applicable	N/A					

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>		<b>Estimated Present Water Level Width:</b>	
	<b>Estimated High Water Level Clearance:</b>	4.9		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	Yes	<b>Aggradation:</b>	No
	<b>Comment:</b>	Present water clearance was 6.9m. Significant amount of driftwood and debris accumulation upstream of the bridge. Driftwood is bearing on piers 2 and 3 and should be removed immediately. Smaller amounts of rip rap, natural vegetation, to be monitored for erosion								

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 899 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-029	<b>Structure Name:</b>	G5-029	<b>Road Name:</b>	SOUTH	<b>Inspection Date:</b>	2021/09/21
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REPAIRS	#	Status	Priority	Estimate	Description
	15	Required	High	\$ 0.00	Remove driftwood and debris from the upstream channel
	16	Required	High	\$ 0.00	Install 30 tonne GVW load rating signs
	17	Required	High	\$ 0.00	Replace entire wearing surface
	18	Required	High	\$ 0.00	Replace curbs
	19	Required	Medium	\$ 0.00	Replace approach barriers
	20	Required	Medium	\$ 0.00	Install bridge ahead signs on both approaches
	21	Required	Medium	\$ 0.00	Grade approaches
	22	Required	Medium	\$ 0.00	Brush approaches

MONITORS	#	Description
	5	Monitor movement of abutment walls
	6	Monitor piers for lateral/longitudinal movement and damage
	7	Monitor abutment bearings for further movement
	8	Monitor banks for erosion

GENERAL	Inspector's Comment:	Description
		This bridge is in immediate need for removal of the driftwood and debris in the upstream portion of the channel; this must be completed before any heavy truck traffic usage and we recommend that the bridge be posted with 30 tonne GVW signs until the driftwood is removed. The wearing surface and the curbs were in poor condition and must be replaced. The barriers were also in poor condition and located too far from the ends of the bridge. The abutments were noted to be leaning towards the channel and the right abutment wall was bearing against the abutment pile cap and bracing system. The bearings at the abutments should be monitored for further movement or rotation. Access to the bridge was also poor, so grading of the road leading into the bridge is recommended. For further details, see the 2021 Close Proximity Inspection Report.  Concern with debris build up, running surface and curbs. DA.

GENERAL	PEng's Comment:	Description
		Some debris and driftwood was removed in 2020 and continues to be an ongoing issue. Load rating is to remain at 30 tonnes and may be downrated further if significant movement of piers, bearings or abutments are observed. Consider removing bridge. BH

GENERAL	Estimated Load Restriction (year):		2031	Estimated Replacement (year):		
	Current Inspection Load Rating:	30	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/01/20 15:49:32		

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 900 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-032	Structure Name:	G5-032	Road Name:	SOUTH	Inspection Date:	2021/07/20	
KM:	20.20	User km:	20.20	Crossing Name:	Driftwood River #2	Next Inspection Date:	2024/07/20	
Project File ID #:	7822	Br.	05	Forest District:	Stuart Nechako Natural Resource District			
Deck Type:	Timber - Untreated			Running Surface:	Timber Planks			
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials		
Superstructure:	Glulam Girder				Right	Pile -Permanent Materials		
Total Length (metres):	51.0	# Spans:	3	Span Width:			Span Length(s) (metres):	13.5, 24, 13.5
UTM Zone:	9		UTM Easting:	661733		UTM Northing:	6187319	
Inspector Name:	Dawson Smith			Year Superstructure Installed:	1977			
Access:								

### ABUTMENTS

Bearings	Not Applicable	
Bracing	Not Applicable	
Ballast Wall	Fair	
Corrosion Protection	Not Applicable	
Caps or Sills	Fair	
Fill	Good	
Hardware	Fair	
Piles or Posts	Fair	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	2	
Brushing Required	Yes	Brushing required both approaches.
Delineator Missing Left (approaching structure)	2	
Delineator Missing Right (approaching structure)	2	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	Post load rating 0 tonnes
Road Surface	Good	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 901 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-032	Structure Name:	G5-032	Road Name:	SOUTH	Inspection Date:	2021/07/20
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Poor	significant decay
Deck to Girder Bolts	Not Applicable	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Nails	Fair	
Overall Deck Condition	Poor	significant decay
Running Planks	Poor	significant decay
Sub Deck	Fair	
Ties	Fair	

### PIERS

#### Pier 1

Bearings	Not Applicable	
Bracing or Sheathing	Fair	
Caps	Fair	
Cribs	Fair	
Dolphins	Fair	
Hardware	Fair	
Overall	Fair	
Piles or Posts	Fair	
Riprap	Not Applicable	
Wall	Fair	

#### Pier 2

Bearings	Not Applicable	
Bracing or Sheathing	Fair	
Caps	Fair	
Cribs	Fair	
Dolphins	Fair	
Hardware	Fair	
Overall	Fair	

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 902 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-032	Structure Name:	G5-032	Road Name:	SOUTH	Inspection Date:	2021/07/20
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Piles or Posts	Fair	
Riprap	Not Applicable	
Wall	Fair	

### 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	Fair	

#### Span 3

Bracing	Fair	
Diaphragms	Fair	
Girders	Fair	
Hardware	Fair	
Under Trussing	Fair	

<b>CHANNEL</b>	Estimated Present Water Level Depth:	3.0	Estimated Present Water Level Width:	20.0
	Estimated High Water Level Clearance:	5.0		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 903 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-032	<b>Structure Name:</b>	G5-032	<b>Road Name:</b>	SOUTH	<b>Inspection Date:</b>	2021/07/20
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REPAIRS	#	Status	Priority	Estimate	Description
	17	Required	High		Replace curbs and risers.
	18	Required	High		Replace decking and running planks.
	19	Required	Medium		Install bridge ahead signs
	20	Required	Medium		Install delineators as required.
	22	Required	Medium		Brushing required both approaches

MONITORS	#	Description

GENERAL	<b>Inspector's Comment:</b>	Not a great inspection but captured the critical issues. Structure should be load restricted and closed. GZ
	<b>PEng's Comment:</b>	Significant wear to running deck and curbs deteriorating. Replace all decking and curbs. Bridge is down rated to 0 tonnes. BH

GENERAL	<b>Estimated Load Restriction (year):</b>	2030	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	0	<b>Design Load GVW (tonnes):</b>	113
	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/01/24 11:16:33

### Corporate Bridge Register (CBR)

Disclaimer:  
 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.  
 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 904 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-030	<b>Structure Name:</b>	G5-030	<b>Road Name:</b>	SOUTH	<b>Inspection Date:</b>	2010/08/18
<b>KM:</b>	122.20	<b>User km:</b>	122.20	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2016/08/16
<b>Project File ID #:</b>	7822	<b>Br.</b>	05	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Steel (non-corrugated)		
<b>Inlet Cover (mm):</b>	1,200			<b>Outlet Cover (mm):</b>	1,200		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	25.0	<b>Opening Height (mm):</b>	1,200	<b>Opening Width (mm):</b>	1,200		
<b>UTM Zone:</b>	9	<b>UTM Easting:</b>	665337	<b>UTM Northing:</b>	6181946		
<b>Inspector Name:</b>	wwilkinson			<b>Year Superstructure Installed:</b>	1977		
<b>Access:</b>	Structure removed as per 2016 inspection-SRW						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	2	Not Required
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left</b> (approaching structure)	2	Not Required
<b>Delineator Missing Right</b> (approaching structure)	2	Not Required
<b>Fender Condition</b>	None	
<b>Road Surface</b>	Poor	Wilderness level , no through road

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Poor	See Photos Left culvert in poor condition right culvert in better condition
<b>Coating</b>	Poor	See Photos Left culvert in poor condition right culvert in better condition
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Poor	See Photos Left culvert in poor condition right culvert in better condition
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	
<b>Inlet</b>	Good	
<b>Outlet</b>	Fair	Perched

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 905 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-030	<b>Structure Name:</b>	G5-030	<b>Road Name:</b>	SOUTH	<b>Inspection Date:</b>	2010/08/18
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<b>Overall</b>	Poor	See Photos Left culvert in poor condition right culvert in better condition
<b>Riprap</b>	Not Applicable	
<b>Roof</b>	Poor	See Photos Left culvert in poor condition right culvert in better condition
<b>Side Walls</b>	Poor	See Photos Left culvert in poor condition right culvert in better condition
<b>Trash Rack</b>	Poor	Posts rotting See Photos
<b>Wiers/Backwater Structures</b>	Not Applicable	
<b>Wing Wall</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	5.0	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	Bridge removed 3 km up road								

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	1	Required	High	\$ 0.00	Remove Culverts

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Left culvert in poor condition, bridge has been pulled on road system 3km up chain from culverts - last inspection of culverts 2001 when bridge removed. Suggest pulling culverts and deactivate road past culvert if/when activities are finished past this point.  Field inspection may not be required by engineer. please have engineer make decision for field visit based on photos and information provided. - Recommend down-rating culverts to 30 tonnes - M.D.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2017	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	30	<b>Design Load GVW (tonnes):</b>	91
	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	Yes	<b>Report Status:</b>	Accepted By Jason Olmsted on 2015/11/25 11:15:36

**Corporate Bridge Register (CBR)**

Disclaimer:  
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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 906 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-055	<b>Structure Name:</b>	G5-916	<b>Road Name:</b>	NESABUT	<b>Inspection Date:</b>	2023/09/04	
<b>KM:</b>	0.60	<b>User km:</b>	0.60	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2025/09/04	
<b>Project File ID #:</b>	7822	<b>Br.</b>	06	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated - Panels			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Crib, Log or Untreated Timber		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Crib, Log or Untreated Timber		
<b>Total Length (metres):</b>	6.3	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	6.3
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	351948		<b>UTM Northing:</b>	6129818	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1995			
<b>Access:</b>	Access at 23.3 kilometer on Driftwood FSR.							

### ABUTMENTS

<b>Bearings</b>	Poor	rot
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Poor	rot
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Poor	rot
<b>Fill</b>	Good	
<b>Hardware</b>	Fair	
<b>Log/Timber Cribs</b>	Poor	rot
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Not Applicable	
<b>Tie-backs</b>	Poor	rot
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	2	
<b>Fender Condition</b>	None	

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 907 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-055	Structure Name:	G5-916	Road Name:	NESABUT	Inspection Date:	2023/09/04
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Posted Load Rating (Enter 0 if sign missing)	5	bridge accessible by foot or quad. Berm constructed before structure.
Road Surface	Fair	

### DECK

<b>Span 1</b>		
Curb Rail/Blocks/Posts	Poor	rotten
Deck to Girder Bolts	Fair	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Nails	Fair	
Overall Deck Condition	Poor	rotten
Running Planks	Poor	rotten
Sub Deck	Poor	rotten
Ties	Poor	rotten

### SUPERSTRUCTURE

<b>Span 1</b>		
Bracing	Fair	
Diaphragms	Fair	
Girders	Fair	
Hardware	Not Applicable	
Under Trussing	Not Applicable	

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	2.0
	Estimated High Water Level Clearance:	1.6		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	13	Required	High	\$	Deactivate structure or replace.

### Corporate Bridge Register (CBR)

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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 908 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-055	<b>Structure Name:</b>	G5-916	<b>Road Name:</b>	NESABUT	<b>Inspection Date:</b>	2023/09/04
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<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	5	Monitor site for environmental impact as bridge continues to deteriorate.

<b>GENERAL</b>	<b>Inspector's Comment:</b>	This site has been barricaded with a dirt berm. Structure will require replacement when required for industrial use. Structure is still intact and not posing any environmental concerns at the moment. Should continue to inspect every two years for environmental or remove / replace.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Bridge is closed and should be removed and deactivated. If deactivation is delayed continue to monitor for impacts to environment. BH
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2005	<b>Estimated Replacement (year):</b>	2013
	<b>Current Inspection Load Rating:</b>	0	<b>Design Load GVW (tonnes):</b>	68
	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/10/24 14:19:09

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 909 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-056	<b>Structure Name:</b>	G5-056	<b>Road Name:</b>	NESABUT	<b>Inspection Date:</b>	2020/09/17
<b>KM:</b>	3.10	<b>User km:</b>	3.10	<b>Crossing Name:</b>	Unnamed Creek	<b>Next Inspection Date:</b>	2023/09/17
<b>Project File ID #:</b>	7822	<b>Br.</b>	06	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	1,000			<b>Outlet Cover (mm):</b>	1,200		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	20.0	<b>Opening Height (mm):</b>	1,200	<b>Opening Width (mm):</b>	1,200		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	350360	<b>UTM Northing:</b>	6129803		
<b>Inspector Name:</b>	Vince Sewell			<b>Year Superstructure Installed:</b>	1999		
<b>Access:</b>	Minor culvert						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	2	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	2	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Poor	wilderness, not drivable

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	rust on floor
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	1.5m
<b>Floor</b>	Good	rust
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 910 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-056	<b>Structure Name:</b>	G5-056	<b>Road Name:</b>	NESABUT	<b>Inspection Date:</b>	2020/09/17
<b>Inlet</b>	Good						
<b>Outlet</b>	Poor		15cm perched				
<b>Overall</b>	Fair						
<b>Riprap</b>	Fair						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	0.6
	<b>Estimated High Water Level Clearance:</b>	0.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	

<b>GENERAL</b>	<b>PEng's Comment:</b>	Not a major structure. DNI. this is now part of the district's road inspection

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 911 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-056	<b>Structure Name:</b>	G5-056	<b>Road Name:</b>	NESABUT	<b>Inspection Date:</b>	2020/09/17
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2020	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		68	<b>Design Load GVW (tonnes):</b>		<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Jason Olmsted on 2021/02/25 15:37:07		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 912 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-242	Structure Name:	G5-990	Road Name:	AIRLINE EAST	Inspection Date:	2023/09/04
KM:	1.39	User km:	1.39	Crossing Name:	Unnamed	Next Inspection Date:	2026/09/04
Project File ID #:	7822	Br.	10	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated - Panels			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Other	
Superstructure:	Steel I-beam				Right	Other	
Total Length (metres):	15.2	# Spans:	1	Span Width:			Span Length(s) (metres): 15.2
UTM Zone:	10		UTM Easting:	374460		UTM Northing:	6115760
Inspector Name:	John Brett			Year Superstructure Installed:	2012		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Good	
Caps or Sills	Fair	Material eroding from front of sill. up to 10 inches from face at time of inspection
Fill	Fair	
General Abutment Condition	Fair	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Fair	GRS faces leaning outwards

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 913 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-242	Structure Name:	G5-990	Road Name:	AIRLINE EAST	Inspection Date:	2023/09/04
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Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Fair	

### DECK

Span 1		
Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	One bad running plank noted outside of wheel tracks
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

Span 1		
Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Not Applicable	
Under Trussing	Not Applicable	

CHANNEL	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	1.2
	Estimated High Water Level Clearance:	3.0		

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

REPAIRS	#	Status	Priority	Estimate	Description

### Corporate Bridge Register (CBR)

Disclaimer:  
 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.  
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 914 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-242	Structure Name:	G5-990	Road Name:	AIRLINE EAST	Inspection Date:	2023/09/04
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MONITORS	#	Description				
GENERAL	Inspector's Comment:	GRS walls are holding together but do have some issues. Tray faces are tilted outwards and there is some bulging / rotation of walls in spots. Material is eroding from in front of the sill. Void is upwards of 10 inches in from face of sill. PEng to inspect and reduce load rating if required and generate repair plan if deemed necessary.				
GENERAL	PEng's Comment:	Bridge ok. May need P.Eng. inspection for determining the condition of abutments. BH				
GENERAL	Estimated Load Restriction (year):		2030	Estimated Replacement (year):		
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	Yes	Report Status:	Reviewed By Bruce Henderson on 2023/10/30 14:14:15		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 915 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-243	Structure Name:	G5-991	Road Name:	AIRLINE EAST	Inspection Date:	2023/09/04
KM:	2.36	User km:	2.36	Crossing Name:	Unnamed	Next Inspection Date:	2026/09/04
Project File ID #:	7822	Br.	10	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated - Panels			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Other	
Superstructure:	Steel I-beam				Right	Other	
Total Length (metres):	15.2	# Spans:	1	Span Width:			Span Length(s) (metres): 15.2
UTM Zone:	10		UTM Easting:	375322		UTM Northing:	6116169
Inspector Name:	John Brett			Year Superstructure Installed:	2012		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Good	
Caps or Sills	Good	
Fill	Good	
General Abutment Condition	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Good	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 916 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-243	Structure Name:	G5-991	Road Name:	AIRLINE EAST	Inspection Date:	2023/09/04
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Posted Load Rating (Enter 0 if sign missing)	0
Road Surface	Good

### DECK

<b>Span 1</b>	
Curb Rail/Blocks/Posts	Good
Deck to Girder Bolts	Good
Hardware	Good
Hand Rails/Walkouts	Not Applicable
Nails	Good
Overall Deck Condition	Good
Running Planks	Good
Sub Deck	Good
Ties	Good

### SUPERSTRUCTURE

<b>Span 1</b>	
Bracing	Good
Diaphragms	Good
Girders	Good
Hardware	Not Applicable
Under Trussing	Not Applicable

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	2.3
	Estimated High Water Level Clearance:	3.1		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

### Corporate Bridge Register (CBR)

Disclaimer:  
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 917 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-243	<b>Structure Name:</b>	G5-991	<b>Road Name:</b>	AIRLINE EAST	<b>Inspection Date:</b>	2023/09/04
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<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	1	Right abutment GRS faces tipped out slightly. Monitor each inspection - see photos.

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in good shape overall. the right bank GRS faces are tipped out slightly but not an issue at the moment. - monitor.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Good. BH
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/10/30 14:17:59		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 918 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-340	Structure Name:	G5-922	Road Name:	AIRLINE EAST	Inspection Date:	2022/11/09
KM:	3.98	User km:	3.98	Crossing Name:	Unnamed Creek	Next Inspection Date:	2024/11/09
Project File ID #:	7822	Br.	10	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated - Panels			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Crib, Log or Untreated Timber	
Superstructure:	Steel I-beam				Right	Crib, Log or Untreated Timber	
Total Length (metres):	12.0	# Spans:	1	Span Width:		Span Length(s) (metres):	12
UTM Zone:	10		UTM Easting:	376924		UTM Northing:	6116517
Inspector Name:	John Brett			Year Superstructure Installed:	2009		
Access:							

### ABUTMENTS

Bearings	Fair	overhang slightly
Bracing	Not Applicable	
Ballast Wall	Fair	one log broken
Corrosion Protection	Not Applicable	
Caps or Sills	Fair	
Fill	Good	
Hardware	Good	
Log/Timber Cribs	Fair	
Piles or Posts	Not Applicable	
Riprap	Good	
Tie-backs	Not Applicable	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Fair	

### Corporate Bridge Register (CBR)

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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 919 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-340	Structure Name:	G5-922	Road Name:	AIRLINE EAST	Inspection Date:	2022/11/09
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Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Fair	

### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	3 are loose
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Unrated	N/A
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	3.0
	Estimated High Water Level Clearance:	1.0		

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

REPAIRS	#	Status	Priority	Estimate	Description
	5	Required	Medium	\$	tighten the 3 loose deck clips
	6	Required	Medium	\$	Replace ballast logs and sill logs

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 920 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-340	<b>Structure Name:</b>	G5-922	<b>Road Name:</b>	AIRLINE EAST	<b>Inspection Date:</b>	2022/11/09
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall. One ballast log is broken and should be replaced. 3 deck clips were also found to be loose and should be reinstalled. Spruce sill logs should be monitored for rot during future inspections. Some minor rot located this inspection but they are ok for now. PEng should access and consider replacement of spruce log sill log and ballast wall components if required for industrial traffic.				
	<b>PEng's Comment:</b>	Replace broken ballast wall logs. BH				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	68	<b>Design Load GVW (tonnes):</b>	68	<b>Design Vehicle Config.:</b>	L75
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/13 10:28:57		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 921 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-341	Structure Name:	G5-917	Road Name:	AIRLINE EAST	Inspection Date:	2022/11/09
KM:	5.26	User km:	5.26	Crossing Name:	Unnamed	Next Inspection Date:	2024/11/09
Project File ID #:	7822	Br.	10	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated - Panels			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Crib, Log or Untreated Timber	
Superstructure:	Steel I-beam				Right	Crib, Log or Untreated Timber	
Total Length (metres):	9.1	# Spans:	1	Span Width:		Span Length(s) (metres):	9.1
UTM Zone:	10		UTM Easting:	378073	UTM Northing:	6117043	
Inspector Name:	John Brett			Year Superstructure Installed:	2014		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Fair	
Corrosion Protection	Not Applicable	
Caps or Sills	Fair	
Fill	Good	
Hardware	Good	
Log/Timber Cribs	Fair	
Piles or Posts	Not Applicable	
Riprap	Good	
Tie-backs	Not Applicable	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	one bullnose missing

### Corporate Bridge Register (CBR)

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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 922 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-341	Structure Name:	G5-917	Road Name:	AIRLINE EAST	Inspection Date:	2022/11/09
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Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### DECK

<b>Span 1</b>		
Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Unrated	N/A
Ties	Good	

### SUPERSTRUCTURE

<b>Span 1</b>		
Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Not Applicable	
Under Trussing	Not Applicable	

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	1.0
	Estimated High Water Level Clearance:	1.1		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	3	Required	Low		Install one bullnose and transition to one corner of bridge

### Corporate Bridge Register (CBR)

Disclaimer:  
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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 923 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-341	Structure Name:	G5-917	Road Name:	AIRLINE EAST	Inspection Date:	2022/11/09
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	Bridge is in good shape overall. One bullnose section missing on approach fender. Also one rail is cracked and should be replaced with 2 riser blocks. Some fungus starting to form on spruce logs but are solid overall. Guardrail repair was previously entered, will require 2 pieces of 10 ft 10x10 rails and 2 pieces of 2 ft 10x10 riser blocks.				
	PEng's Comment:	No major concerns. BH				
<b>GENERAL</b>	Estimated Load Restriction (year):	2025	Estimated Replacement (year):			
	Current Inspection Load Rating:	68	Design Load GVW (tonnes):	68	Design Vehicle Config.:	L75
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/12/12 09:14:59		

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 924 of 1182

## Log Stringer Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-342	<b>Structure Name:</b>	G5-920	<b>Road Name:</b>	AIRLINE EAST	<b>Inspection Date:</b>	2022/11/11	
<b>KM:</b>	5.75	<b>User km:</b>	5.75	<b>Crossing Name:</b>	Unnamed	<b>Next Inspection Date:</b>	2024/11/11	
<b>Project File ID #:</b>	7822	<b>Br.</b>	10	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Crib, Log or Untreated Timber		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Crib, Log or Untreated Timber		
<b>Total Length (metres):</b>	12.1	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	12.1
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	378387		<b>UTM Northing:</b>	6117311	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>				
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Fair	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Fair	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Fair	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Log/Timber Cribs</b>	Fair	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Not Applicable	
<b>Tie-backs</b>	Good	Cable tie backs
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 925 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-342	Structure Name:	G5-920	Road Name:	AIRLINE EAST	Inspection Date:	2022/11/11
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Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### DECK

Span 1		
Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Unrated	N/A
Ties	Good	

### SUPERSTRUCTURE

Span 1		
Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Not Applicable	

CHANNEL	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	1.0
	Estimated High Water Level Clearance:	1.0		

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

REPAIRS	#	Status	Priority	Estimate	Description
	5	Required	Low		Brushing required around structure.
	6	Required	Low		Right side delineator installed wrong side. Replace with right hand delineator.

### Corporate Bridge Register (CBR)

Disclaimer:  
 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.  
 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 926 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-342	<b>Structure Name:</b>	G5-920	<b>Road Name:</b>	AIRLINE EAST	<b>Inspection Date:</b>	2022/11/11
----------------	--------	------------------------	--------	-------------------	--------------	-------------------------	------------

<b>MONITORS</b>	<b>#</b>	<b>Description</b>
	2	All log components for rot.

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in good shape however the spruce log components are starting to rot in spots. If this structure is required for heavier industrial traffic it should be assessed by a PEng to evaluate rot in logs and load rate, recommend repairs.
----------------	-----------------------------	---

<b>GENERAL</b>	<b>PEng's Comment:</b>	Monitor wood components for rot. BH
----------------	------------------------	-------------------------------------

<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2025	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	68	<b>Design Load GVW (tonnes):</b>	
	<b>Design Vehicle Config.:</b>		<b>Design Vehicle Config.:</b>	L75
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/12 09:15:41

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 927 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-430	<b>Structure Name:</b>	G5-430A	<b>Road Name:</b>	TANIZUL	<b>Inspection Date:</b>	2022/11/11	
<b>KM:</b>	9.00	<b>User km:</b>	9.00	<b>Crossing Name:</b>	Tachie River	<b>Next Inspection Date:</b>	2025/11/11	
<b>Project File ID #:</b>	7873	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Concrete			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Cast in Place		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Cast in Place		
<b>Total Length (metres):</b>	134.	<b># Spans:</b>	4	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	27, 40, 40, 27
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	384117		<b>UTM Northing:</b>	6063048	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2010			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Cast in Place</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	1	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	one bullnose knocke over
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 928 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-430	<b>Structure Name:</b>	G5-430A	<b>Road Name:</b>	TANIZUL	<b>Inspection Date:</b>	2022/11/11
<b>Road Surface</b>	Good						
<b>DECK</b>							
<b>Span 1</b>							
<b>Concrete Deck</b>	Good						
<b>Curb Rail/Blocks/Posts</b>	Good						
<b>Deck Joints</b>	Good						
<b>Grout Pockets</b>	Good						
<b>Hardware</b>	Good						
<b>Hand Rails/Walkouts</b>	Not Applicable						
<b>Overall Deck Condition</b>	Good						
<b>Running Surface</b>	Good						
<b>PIERS</b>							
<b>Pier 1</b>							
<b>Bearings</b>	Good						
<b>Bracing or Sheathing</b>	Good						
<b>Caps</b>	Good						
<b>Cribs</b>	Not Applicable						
<b>Dolphins</b>	Not Applicable						
<b>Hardware</b>	Good						
<b>Overall</b>	Good						
<b>Piles or Posts</b>	Good						
<b>Riprap</b>	Not Applicable						
<b>Wall</b>	Not Applicable						
<b>Pier 2</b>							
<b>Bearings</b>	Good						
<b>Bracing or Sheathing</b>	Good						
<b>Caps</b>	Good						
<b>Cribs</b>	Not Applicable						
<b>Dolphins</b>	Not Applicable						
<b>Hardware</b>	Good						
<b>Overall</b>	Good						

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 929 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-430	<b>Structure Name:</b>	G5-430A	<b>Road Name:</b>	TANIZUL	<b>Inspection Date:</b>	2022/11/11
<b>Piles or Posts</b>	Good						
<b>Riprap</b>	Not Applicable						
<b>Wall</b>	Not Applicable						
<b>Pier 3</b>							
<b>Bearings</b>	Good						
<b>Bracing or Sheathing</b>	Good						
<b>Caps</b>	Good						
<b>Cribs</b>	Not Applicable						
<b>Dolphins</b>	Not Applicable						
<b>Hardware</b>	Good						
<b>Overall</b>	Good						
<b>Piles or Posts</b>	Good						
<b>Riprap</b>	Not Applicable						
<b>Wall</b>	Not Applicable						
<b>SUPERSTRUCTURE</b>							
<b>Span 1</b>							
<b>Bracing</b>	Good						
<b>Diaphragms</b>	Good						
<b>Girders</b>	Good						
<b>Hardware</b>	Good						
<b>Under Trussing</b>	Not Applicable						
<b>Span 2</b>							
<b>Bracing</b>	Good						
<b>Diaphragms</b>	Good						
<b>Girders</b>	Good						
<b>Hardware</b>	Good						
<b>Under Trussing</b>	Not Applicable						
<b>Span 3</b>							
<b>Bracing</b>	Good						
<b>Diaphragms</b>	Good						
<b>Girders</b>	Good						

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 930 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-430	<b>Structure Name:</b>	G5-430A	<b>Road Name:</b>	TANIZUL	<b>Inspection Date:</b>	2022/11/11
----------------	--------	------------------------	---------	-------------------	---------	-------------------------	------------

<b>Hardware</b>	Good
<b>Under Trussing</b>	Not Applicable
<b>Span 4</b>	
<b>Bracing</b>	Good
<b>Diaphragms</b>	Good
<b>Girders</b>	Good
<b>Hardware</b>	Good
<b>Under Trussing</b>	Not Applicable

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	2.0	<b>Estimated Present Water Level Width:</b>	4.5
	<b>Estimated High Water Level Clearance:</b>	4.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	2	Required	Low	\$ 400.00	install one left delineator
3	Required	Low	\$	Reset bullnose section	

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in good shape overall. Trees are growing from piers and should be removed. One bullnose section has been knocked over, otherwise everything looks good.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2050	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91
	<b>Design Vehicle Config.:</b>	L100	<b>Professional Inspection Required?</b>	No
	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/12 10:18:11		

**Corporate Bridge Register (CBR)**

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 931 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-431	Structure Name:	G5-431	Road Name:	TANIZUL	Inspection Date:	2021/07/20
KM:	18.00	User km:	18.00	Crossing Name:	Tarnezell Creek	Next Inspection Date:	2024/07/20
Project File ID #:	7873	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	5,000			Outlet Cover (mm):	5,000		
Footing Type:				Gradient (%):			
Culvert Length (metres):	37.0	Opening Height (mm):	2,400	Opening Width (mm):	2,400		
UTM Zone:	10	UTM Easting:	376049	UTM Northing:	6064715		
Inspector Name:	Dawson Smith			Year Superstructure Installed:	1983		
Access:							

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Good	
Coupled Connections	Not Applicable	
Coating	Fair	
Embedment Materials	Not Applicable	
Fill	Good	
Floor	Fair	monitor rust
Footing	Not Applicable	
Head Wall	Good	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 932 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-431	<b>Structure Name:</b>	G5-431	<b>Road Name:</b>	TANIZUL	<b>Inspection Date:</b>	2021/07/20
<b>Inlet</b>	Good						
<b>Outlet</b>	Fair	damage to roof at outlet end					
<b>Overall</b>	Fair						
<b>Riprap</b>	Good						
<b>Roof</b>	Fair	damage to roof at outlet end					
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	0.1
	<b>Estimated High Water Level Clearance:</b>	2.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	No bolted connections, no headwalls, no information on monitoring items, no pics up& downstream. GZ

<b>GENERAL</b>	<b>PEng's Comment:</b>	Low risk culvert. No Concerns. CP

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 933 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-431	<b>Structure Name:</b>	G5-431	<b>Road Name:</b>	TANIZUL	<b>Inspection Date:</b>	2021/07/20
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2023	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Colton Polsom on 2022/05/31 15:36:45		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 934 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-432	<b>Structure Name:</b>	G5-432	<b>Road Name:</b>	TANIZUL	<b>Inspection Date:</b>	2000/08/31
<b>KM:</b>	22.90	<b>User km:</b>	22.90	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2030/01/01
<b>Project File ID #:</b>	7873	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	3,500			<b>Outlet Cover (mm):</b>	3,500		
<b>Footing Type:</b>				<b>Gradient (%):</b>	6.0		
<b>Culvert Length (metres):</b>	24.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	371460	<b>UTM Northing:</b>	6068517		
<b>Inspector Name:</b>	Brent Case			<b>Year Superstructure Installed:</b>	1982		
<b>Access:</b>	coordinates from LRM. GZ Minor culvert 1800						

### APPROACHES

<b>Bridge Ahead Signs Missing</b>	2	No Comment Available -Converter.RNI
<b>Delineator Missing Left (approaching structure)</b>	2	No Comment Available -Converter.RNI
<b>Delineator Missing Right (approaching structure)</b>	2	No Comment Available -Converter.RNI
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0.0	No Comment Available -Converter.RNI
<b>Road Surface</b>	Good	No Comment Available -Converter.RNI

### CULVERT ELEMENT

<b>Coupled Connections</b>	Good	No Comment Available -Converter.RNI
<b>Coating</b>	Good	No Comment Available -Converter.RNI
<b>Fill</b>	Good	No Comment Available -Converter.RNI
<b>Floor</b>	Good	No Comment Available -Converter.RNI
<b>Inlet</b>	Good	No Comment Available -Converter.RNI
<b>Outlet</b>	Good	No Comment Available -Converter.RNI
<b>Riprap</b>	Good	No Comment Available -Converter.RNI
<b>Roof</b>	Good	No Comment Available -Converter.RNI
<b>Side Walls</b>	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 935 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-432	<b>Structure Name:</b>	G5-432	<b>Road Name:</b>	TANIZUL	<b>Inspection Date:</b>	2000/08/31
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>			
	<b>Estimated High Water Level Clearance:</b>			0.0			
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b> No
	<b>Aggradation:</b>	No					
<b>Comment:</b>							
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>		
<b>MONITORS</b>	<b>#</b>	<b>Description</b>					
<b>GENERAL</b>	<b>Inspector's Comment:</b>	nullCulvert: 4-7) Minor deformations, but solid..					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2032	<b>Estimated Replacement (year):</b>		
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By IDIR\RMGETZLA on 2012/04/12 08:54:44			

### Corporate Bridge Register (CBR)

Disclaimer:  
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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 936 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-433	Structure Name:	G5-433	Road Name:	TANIZUL	Inspection Date:	2021/07/20
KM:	25.00	User km:	25.00	Crossing Name:	West Tarnezell Creek	Next Inspection Date:	2024/07/20
Project File ID #:	7873	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete Composite			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials	
Superstructure:	Steel I-beam				Right	Pile -Permanent Materials	
Total Length (metres):	15.6	# Spans:	1	Span Width:			Span Length(s) (metres): 15
UTM Zone:	10		UTM Easting:	371095		UTM Northing:	6069147
Inspector Name:	Dawson Smith			Year Superstructure Installed:	1993		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Good	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	2	
Brushing Required	No	recently brushed
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### Corporate Bridge Register (CBR)

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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 937 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G5-433 Structure Name: G5-433 Road Name: TANIZUL Inspection Date: 2021/07/20

### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	
Deck Joints	Fair	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	1.0	Estimated Present Water Level Width:	3.0
	Estimated High Water Level Clearance:	2.0		

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

REPAIRS	#	Status	Priority	Estimate	Description
	8	Not Required	Medium	\$	
	9	Required	Medium	\$ 500.00	install 2 bridge ahead signs

MONITORS	#	Description
	9	monitor beaver activity

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 938 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-433	<b>Structure Name:</b>	G5-433	<b>Road Name:</b>	TANIZUL	<b>Inspection Date:</b>	2021/07/20
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Did not monitor bearings, deck/ballast wall connection label as deck joint, missing pics. GZ					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Inspection ok. No Major concerns. CP					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2033	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Colton Polsom on 2022/05/31 15:43:20			

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 939 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-434	Structure Name:	G5-434	Road Name:	TANIZUL	Inspection Date:	2022/11/11
KM:	31.70	User km:	31.70	Crossing Name:	Tarnezell Creek	Next Inspection Date:	2025/11/11
Project File ID #:	7873	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete Composite			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials	
Superstructure:	Steel I-beam				Right	Pile -Permanent Materials	
Total Length (metres):	17.9	# Spans:	1	Span Width:		Span Length(s) (metres):	17.9
UTM Zone:	10		UTM Easting:	369354	UTM Northing:	6075265	
Inspector Name:	John Brett			Year Superstructure Installed:	1999		
Access:							

### ABUTMENTS

Bearings	Fair	buging, see pics
Bracing	Good	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Fair	settling at ballast walls
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	2	
Delineator Missing Right (approaching structure)	2	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	5	
Road Surface	Poor	settled approach fills

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 940 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-434	Structure Name:	G5-434	Road Name:	TANIZUL	Inspection Date:	2022/11/11
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	one bracket bolt not threaded in
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Fair	one bracket bolt not threaded in
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	1.8
	Estimated High Water Level Clearance:	2.5		

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

REPAIRS	#	Status	Priority	Estimate	Description
	9	Required	Low	\$ 800.00	Add 4 delineators
	10	Required	Low	\$	Thread in one bracket bolt. Add 1 inch timber washer and thread in 2nd bracket bolt.
	11	Required	Medium	\$	Repair approach fills and grade to improve surface drainage

MONITORS	#	Description
	2	Monitor bearing pad bulge, see pics

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 941 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-434	<b>Structure Name:</b>	G5-434	<b>Road Name:</b>	TANIZUL	<b>Inspection Date:</b>	2022/11/11
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge appears to have been inactive for some time now. The approach fills have settled creating a step onto and off of the bridge deck. There is one bracket bolt that is not threaded in and there is some excessive bulge in 3 of the 4 bearing pads. see pics. Should monitor bearing condition during future inspections. Currently posted at a 5 ton load rating. PEng to assess if required for heavier industrial traffic.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Repair approach fills. Guard rails replaced. Return to original design load. No P.Eng. inspection required. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2049	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	68	<b>Design Load GVW (tonnes):</b>	68	<b>Design Vehicle Config.:</b>	L75	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/12 09:36:22			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 942 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-513	<b>Structure Name:</b>	G5-912	<b>Road Name:</b>	ONJO	<b>Inspection Date:</b>	2022/11/11	
<b>KM:</b>	12.00	<b>User km:</b>	0.00	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2025/11/11	
<b>Project File ID #:</b>	8280	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Not Available			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Precast		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Precast		
<b>Total Length (metres):</b>	12.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	12
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	410710		<b>UTM Northing:</b>	6101467	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1997			
<b>Access:</b>	At 72km North Road (hwy 27 N), turn onto Witch FSR. Go to 12.5km.							

### ABUTMENTS

<b>Bearings</b>	Fair	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Fair	
<b>Concrete Precast</b>	Good	concrete good but blocks are settling differentially
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Fair	getting soft
<b>Fill</b>	Fair	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	1	
<b>Fender Condition</b>	Poor	rotten
<b>Posted Load Rating (Enter 0 if sign missing)</b>	68	

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 943 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-513	Structure Name:	G5-912	Road Name:	ONJO	Inspection Date:	2022/11/11
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Road Surface	Fair	
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Fair	
Deck to Girder Bolts	Not Applicable	no fasteners from deck to girders
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Nails	Fair	
Overall Deck Condition	Fair	
Running Planks	Fair	
Sub Deck	Fair	
Ties	Fair	

### SUPERSTRUCTURE

#### Span 1

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

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	3.0
	Estimated High Water Level Clearance:	1.5		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 944 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-513	<b>Structure Name:</b>	G5-912	<b>Road Name:</b>	ONJO	<b>Inspection Date:</b>	2022/11/11
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REPAIRS	#	Status	Priority	Estimate	Description
	4	Not Required	Medium		Rebuild abutments, concrete lock blocks ok but will require new timber sills and ballast wall materials
	5	Required	Medium		Replace timber deck panels - new system to have deck to girder fastening hardware
	6	Required	Medium	\$ 0.00	Install new approach fenders
	7	Required	Low	\$ 0.00	Install 2 left and one right delineator, and bridge ahead signs

MONITORS	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure will require substantial repairs to accommodate heavier industrial traffic. Will have to be rebuilt including lock block abutments, timber deck, fenders, and sills. Lock blocks are settling, structure ok for light traffic in the meantime. Reconstruction should include a hardware system to fasten deck panels to the girder set. PEng should assess and generate replacement plan.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	P.Eng. inspection is needed to determine the extent of settlement of the abutments especially the left one. No pictures showing rot in sills so hard to determine the extent of decay. BH
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2025	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	68	<b>Design Load GVW (tonnes):</b>	68
	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	Yes	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 08:59:00

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 945 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-512	<b>Structure Name:</b>	G5-512	<b>Road Name:</b>	ONJO	<b>Inspection Date:</b>	2021/09/22	
<b>KM:</b>	10.00	<b>User km:</b>	10.00	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2024/09/22	
<b>Project File ID #:</b>	8280	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Treated - Panels			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Glulam Girder				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	12.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	12
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	412592		<b>UTM Northing:</b>	6101064	
<b>Inspector Name:</b>	Dawson Smith			<b>Year Superstructure Installed:</b>	1997			
<b>Access:</b>	Turn onto the Witch FSR at 72km North Road (hwy 27N). 11km on witch FSR.							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	1	
<b>Fender Condition</b>	Poor	log fenders, most missing
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 946 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-512	Structure Name:	G5-512	Road Name:	ONJO	Inspection Date:	2021/09/22
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Road Surface	Good	
<b>DECK</b>		
<b>Span 1</b>		
Curb Rail/Blocks/Posts	Fair	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Poor	significant decay, especially on approach ends, nails exposed , see pics
Overall Deck Condition	Poor	significant decay, especially on approach ends, nails exposed , see pics
Running Planks	Not Applicable	(Rate as POOR. GZ)
Sub Deck	Poor	significant decay, especially on approach ends, nails exposed , see pics (N/A. GZ)
Ties	Good	

<b>SUPERSTRUCTURE</b>		
<b>Span 1</b>		
Bracing	Good	
Diaphragms	Unrated	glulam beams (rate as Good. GZ)
Girders	Good	glulam beams
Hardware	Good	
Under Trussing	Not Applicable	

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	3.0
	Estimated High Water Level Clearance:	2.0		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	6	Required	High		Replace worn deck.
	7	Required	High	\$ 0.00	Install Approach fenders
	8	Required	Medium	\$	Install bridge ahead signs
	9	Required	High		Install missing delineators

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 947 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-512	Structure Name:	G5-512	Road Name:	ONJO	Inspection Date:	2021/09/22
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	Running deck decay, nails exposed, needs fenders Consider load restriction to flag repair items. GZ				
	PEng's Comment:	Downrated to 30 tonnes due to condition of deck. JDS				
<b>GENERAL</b>	Estimated Load Restriction (year):	2028	Estimated Replacement (year):			
	Current Inspection Load Rating:	30	Design Load GVW (tonnes):	68	Design Vehicle Config.:	
	Professional Inspection Required?	No	Report Status:	Reviewed By Jordan Smith on 2022/02/28 14:31:18		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 948 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-510	<b>Structure Name:</b>	G5-510	<b>Road Name:</b>	ONJO NORTH	<b>Inspection Date:</b>	2023/09/02	
<b>KM:</b>	0.60	<b>User km:</b>	0.60	<b>Crossing Name:</b>	Wittsichica Creek	<b>Next Inspection Date:</b>	2026/09/02	
<b>Project File ID #:</b>	8280	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel Truss/Bailey/Acrow				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	15.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	12
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	416349		<b>UTM Northing:</b>	6100762	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1996			
<b>Access:</b>	Road is located at km 6.0 of Witch FSR.							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Fair	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Fair	2 sections knocked on their side
<b>Posted Load Rating (Enter 0 if sign missing)</b>	63.5	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 949 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-510	<b>Structure Name:</b>	G5-510	<b>Road Name:</b>	ONJO NORTH	<b>Inspection Date:</b>	2023/09/02
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<b>Road Surface</b>	Good	
<b>DECK</b>		
<b>Span 1</b>		
<b>Curb Rail/Blocks/Posts</b>	Fair	One 10 ft section bumped
<b>Deck to Girder Bolts</b>	Not Applicable	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Good	
<b>Running Planks</b>	Good	
<b>Sub Deck</b>	Unrated	N/A
<b>Ties</b>	Fair	

<b>SUPERSTRUCTURE</b>		
<b>Span 1</b>		
<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	1.8		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	10	Required	Low	\$	Replace 2 x 10 ft sections of 8x8 guardrail

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 950 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-510	Structure Name:	G5-510	Road Name:	ONJO NORTH	Inspection Date:	2023/09/02
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bailey bridge is in good shape overall. Some bent bracing was noted underneath as well as a ballast log that is fairly rotten. Structure would benefit from some guardrail repair as well. Should confirm load rating with PEng				
<b>GENERAL</b>	<b>PEng's Comment:</b>	Should consider deactivating bridge and road. No picture evidence of lock block abutments. P.Eng inspection not required. BH				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	64	<b>Design Load GVW (tonnes):</b>	64	<b>Design Vehicle Config.:</b>	BCL62
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/10/24 15:47:18		

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 951 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-511	Structure Name:	G5-973	Road Name:	ONJO NORTH	Inspection Date:	2023/09/02	
KM:	2.10	User km:	2.10	Crossing Name:	Unnamed creek	Next Inspection Date:	2026/09/02	
Project File ID #:	8280	Br.	02	Forest District:	Stuart Nechako Natural Resource District			
Deck Type:	Timber - Untreated			Running Surface:	Timber Planks			
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks		
Superstructure:	Steel I-beam				Right	Concrete Lock Blocks		
Total Length (metres):	15.2	# Spans:	1	Span Width:			Span Length(s) (metres):	15
UTM Zone:	10		UTM Easting:	417044		UTM Northing:	6101895	
Inspector Name:	John Brett			Year Superstructure Installed:	2008			

**Access:** Road turns north at km 6.0 of Witch FSR  
 Acrow panel is not in place it has been replaced by BCTS with G5-973 a 15 meter steel and timber portable bridge

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Fair	
Concrete Lock Blocks	Good	barely visible
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	0	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 952 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-511	Structure Name:	G5-973	Road Name:	ONJO NORTH	Inspection Date:	2023/09/02
---------	--------	-----------------	--------	------------	------------	------------------	------------

Road Surface	Good	
--------------	------	--

### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
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:	1.0		

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

REPAIRS	#	Status	Priority	Estimate	Description

### Corporate Bridge Register (CBR)

Disclaimer:  
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 953 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-511	Structure Name:	G5-973	Road Name:	ONJO NORTH	Inspection Date:	2023/09/02
---------	--------	-----------------	--------	------------	------------	------------------	------------

<b>MONITORS</b>	#	Description
	3	Monitor ballast rot. Some fungus reported.

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Guardrail replacement has occurred since last inspection so this old repair item can be removed. Structure is in good shape overall. Recent maintenance works complete. Fungus forming on ballast wall logs. Noted from previous monitor item. Continue to monitor fungus / rot. appears to be ok for now, Otherwise bridge is in good shape.
----------------	-----------------------------	---

<b>GENERAL</b>	<b>PEng's Comment:</b>	Repairs to curbs completed. Monitor rot in ballast wall. BH
----------------	------------------------	---

<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2025	<b>Estimated Replacement (year):</b>		
	<b>Current Inspection Load Rating:</b>	64	<b>Design Load GVW (tonnes):</b>	64	<b>Design Vehicle Config.:</b>	BCL62
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/10 13:49:32		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 954 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-509	<b>Structure Name:</b>	P137	<b>Road Name:</b>	ONJO NORTH	<b>Inspection Date:</b>	2022/11/11
<b>KM:</b>	12.20	<b>User km:</b>	11.30	<b>Crossing Name:</b>	unknown	<b>Next Inspection Date:</b>	2025/11/11
<b>Project File ID #:</b>	8280	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Steel			<b>Running Surface:</b>	Anti-skid		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks	
<b>Superstructure:</b>	Steel Box Beam				<b>Right</b>	Concrete Lock Blocks	
<b>Total Length (metres):</b>	7.6	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	7.62
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	415600		<b>UTM Northing:</b>	6104274
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>			
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Excellent	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Excellent	
<b>Concrete Lock Blocks</b>	Excellent	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Excellent	
<b>Fill</b>	Good	
<b>Hardware</b>	Excellent	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	close up gap between fenders and guardrails
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 955 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-509	Structure Name:	P137	Road Name:	ONJO NORTH	Inspection Date:	2022/11/11
---------	--------	-----------------	------	------------	------------	------------------	------------

Road Surface	Good	
<b>DECK</b>		
<b>Span 1</b>		
Curb Rail/Blocks/Posts	Excellent	
Hardware	Not Applicable	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Excellent	
Running Surface	Excellent	
Steel Deck Plate	Excellent	
<b>SUPERSTRUCTURE</b>		
<b>Span 1</b>		
Bracing	Not Applicable	
Diaphragms	Unrated	N/A
Girders	Excellent	
Hardware	Not Applicable	
Under Trussing	Not Applicable	

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	2.5
	Estimated High Water Level Clearance:	1.5		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	1	Required	Low		Close gap between approach fenders and guardrails.

<b>MONITORS</b>	#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 956 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-509	<b>Structure Name:</b>	P137	<b>Road Name:</b>	ONJO NORTH	<b>Inspection Date:</b>	2022/11/11
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in good shape overall. Would be good to close up the gap between the approach fenders and the guardrails. see pics.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2067		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 09:02:47			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 957 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-514	Structure Name:	P136	Road Name:	ONJO NORTH	Inspection Date:	2022/11/11
KM:	13.00	User km:	13.00	Crossing Name:	unknown	Next Inspection Date:	2025/11/11
Project File ID #:	8280	Br.	02	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Steel			Running Surface:	Anti-skid		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel Box Beam				Right	Concrete Lock Blocks	
Total Length (metres):	7.6	# Spans:	1	Span Width:			Span Length(s) (metres): 7.62
UTM Zone:	10		UTM Easting:	415100		UTM Northing:	6105321
Inspector Name:	John Brett			Year Superstructure Installed:			
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Concrete Lock Blocks	Good	blocks in good shape however bearing material eroding from front of blocks
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Fair	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Fair	in good shape but should be positioned adjacent to guardrails
Posted Load Rating (Enter 0 if sign missing)	91	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 958 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-514	<b>Structure Name:</b>	P136	<b>Road Name:</b>	ONJO NORTH	<b>Inspection Date:</b>	2022/11/11			
<b>Road Surface</b>	Good									
<b>DECK</b>										
<b>Span 1</b>										
<b>Curb Rail/Blocks/Posts</b>	Good									
<b>Hardware</b>	Not Applicable									
<b>Hand Rails/Walkouts</b>	Not Applicable									
<b>Overall Deck Condition</b>	Good									
<b>Running Surface</b>	Good									
<b>Steel Deck Plate</b>	Good									
<b>SUPERSTRUCTURE</b>										
<b>Span 1</b>										
<b>Bracing</b>	Not Applicable									
<b>Diaphragms</b>	Unrated		N/A							
<b>Girders</b>	Good									
<b>Hardware</b>	Good									
<b>Under Trussing</b>	Not Applicable									
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1			<b>Estimated Present Water Level Width:</b>	1.0				
	<b>Estimated High Water Level Clearance:</b>	1.8								
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>					
	1	Not Required	Medium		Rebuild abutments with either an extra row of buried lock blocks, geofabric lined riprap or coarse foundation materials					
	2	Required	Low		Reposition concrete fenders to align with bridge.					
<b>MONITORS</b>	<b>#</b>	<b>Description</b>								
	1	Monitor erosion under lock blocks								

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 959 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-514	<b>Structure Name:</b>	P136	<b>Road Name:</b>	ONJO NORTH	<b>Inspection Date:</b>	2022/11/11
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure appears to be a recent install. Lock Blocks are placed on top of erodible material and already are having issues. Should place on coarse solid footing or add a row of buried lock blocks. Approach fenders should be reinstalled to close gap between fenders and guardrails. P.Eng. to assess and generate repair plan to deal with erodible material. Already starting to erode in front of left bank abutment. Could pull superstructure, remove riprap, repair bearing solid, line with riprap and reinstall with more riprap.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Bridge installed new in 2021. Monitor scour near lock block abutments. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2070	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 08:27:46			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 960 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-523	<b>Structure Name:</b>	G5-523	<b>Road Name:</b>	NEWLAND	<b>Inspection Date:</b>	2023/09/02	
<b>KM:</b>	0.30	<b>User km:</b>	13.30	<b>Crossing Name:</b>	unnamed	<b>Next Inspection Date:</b>	2026/09/02	
<b>Project File ID #:</b>	8280	<b>Br.</b>	05	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated - Panels			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	12.2	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	12.1
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	414988		<b>UTM Northing:</b>	6105701	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2008			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	one bullnose knocked over
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 961 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-523	Structure Name:	G5-523	Road Name:	NEWLAND	Inspection Date:	2023/09/02
---------	--------	-----------------	--------	------------	---------	------------------	------------

Road Surface	Good	
<b>DECK</b>		
<b>Span 1</b>		
Curb Rail/Blocks/Posts	Fair	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

<b>SUPERSTRUCTURE</b>		
<b>Span 1</b>		
Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Not Applicable	
Under Trussing	Not Applicable	

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	2.0
	Estimated High Water Level Clearance:	0.8		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	6	Required	Low	\$	Replace approach fender with damaged bullnose

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 962 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-523	Structure Name:	G5-523	Road Name:	NEWLAND	Inspection Date:	2023/09/02
---------	--------	-----------------	--------	------------	---------	------------------	------------

MONITORS	#	Description				
GENERAL	Inspector's Comment:	Low clearance structure. Everything looks to be good. One fender bullnose damaged. Otherwise everything looks good. No movement was noted in regards to lock block or sill movement on the right hand abutment.				
GENERAL	PEng's Comment:	Rotten guard rails have been replaced. Structure looks good. BH				
GENERAL	Estimated Load Restriction (year):		2030	Estimated Replacement (year):		
	Current Inspection Load Rating:	68	Design Load GVW (tonnes):	68	Design Vehicle Config.:	L75
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2023/11/09 15:41:52		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 963 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-522	<b>Structure Name:</b>	G5-245	<b>Road Name:</b>	NEWLAND	<b>Inspection Date:</b>	2022/11/11	
<b>KM:</b>	0.90	<b>User km:</b>	14.00	<b>Crossing Name:</b>	unnamed	<b>Next Inspection Date:</b>	2025/11/11	
<b>Project File ID #:</b>	8280	<b>Br.</b>	05	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Concrete			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	25.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	25
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	414617		<b>UTM Northing:</b>	6106047	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2010			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	68	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 964 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-522	<b>Structure Name:</b>	G5-245	<b>Road Name:</b>	NEWLAND	<b>Inspection Date:</b>	2022/11/11
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<b>Road Surface</b>	Good	
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### DECK

#### Span 1

<b>Concrete Deck</b>	Good	
<b>Curb Rail/Blocks/Posts</b>	Excellent	
<b>Deck Joints</b>	Fair	Issues with deck joint as seen from below, PEng to assess
<b>Grout Pockets</b>	Good	
<b>Hardware</b>	Excellent	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Overall Deck Condition</b>	Good	
<b>Running Surface</b>	Good	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Fair	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	4.0
	<b>Estimated High Water Level Clearance:</b>	2.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
		4	Required	Low	\$

<b>MONITORS</b>	#	Description
		1

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 965 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-522	<b>Structure Name:</b>	G5-245	<b>Road Name:</b>	NEWLAND	<b>Inspection Date:</b>	2022/11/11
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall. One deck joint was found to have poor grout penetration as seen from underneath (between panel #1 and #2 form left bank). PEng should assess deck joint failure and recommend repairs. Also additional forming should be removed to inspect other joints. Bridge is set on smaller 12 x 12 timber sills and bearing plates overhang.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Inspection says load limit signs are present. Repairs calls for installation of signs. Remove form work from below joints so inspection can be done to assess joint grouting. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2052	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	68	<b>Design Load GVW (tonnes):</b>	68	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/09 09:14:13			

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 966 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-520	Structure Name:	G5-974	Road Name:	NEWLAND	Inspection Date:	2021/09/22
KM:	5.00	User km:	18.00	Crossing Name:	unnamed	Next Inspection Date:	2024/09/22
Project File ID #:	8280	Br.	05	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated - Panels			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Other	
Superstructure:	Steel I-beam				Right	Other	
Total Length (metres):	12.1	# Spans:	1	Span Width:			Span Length(s) (metres): 12.1
UTM Zone:	10		UTM Easting:	413027		UTM Northing:	6108067
Inspector Name:	Dawson Smith			Year Superstructure Installed:	2011		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
General Abutment Condition	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Not Applicable	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Fair	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 967 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-520	Structure Name:	G5-974	Road Name:	NEWLAND	Inspection Date:	2021/09/22
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Posted Load Rating (Enter 0 if sign missing)	68	
Road Surface	Good	

### DECK

<b>Span 1</b>		
Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	recently been redecked
Running Planks	Not Applicable	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

<b>Span 1</b>		
Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Not Applicable	

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.0	Estimated Present Water Level Width:	0.0
	Estimated High Water Level Clearance:	2.0		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

### Corporate Bridge Register (CBR)

Disclaimer:  
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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 968 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-520	<b>Structure Name:</b>	G5-974	<b>Road Name:</b>	NEWLAND	<b>Inspection Date:</b>	2021/09/22
----------------	--------	------------------------	--------	-------------------	---------	-------------------------	------------

<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	No issues. GZ				
	<b>PEng's Comment:</b>	No concerns. JDS				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2025	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	68	<b>Design Load GVW (tonnes):</b>	68	<b>Design Vehicle Config.:</b>	L75
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jordan Smith on 2022/02/10 15:43:33		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 969 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-521	Structure Name:	G5-913	Road Name:	NEWLAND	Inspection Date:	2021/09/22
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KM:	6.30	User km:	19.20	Crossing Name:	unnamed	Next Inspection Date:	2024/09/22
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Project File ID #:	8280	Br.	05	Forest District:	Stuart Nechako Natural Resource District		
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Deck Type:	Timber - Untreated - Panels			Running Surface:	Timber Planks		
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Curb Type:		Abutments (looking downstream)	Left	Other			
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Superstructure:	Steel I-beam			Right	Other		
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Total Length (metres):	15.2	# Spans:	1	Span Width:		Span Length(s) (metres):	15.2
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UTM Zone:	10	UTM Easting:	413334	UTM Northing:	6109134		
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Inspector Name:	Dawson Smith		Year Superstructure Installed:	2011			
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Access:							
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### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	wire gabion (Timber planks. GZ)
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
General Abutment Condition	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Fair	
Wing Wall	Good	wire gabion

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Poor	missing end caps

Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 970 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-521	<b>Structure Name:</b>	G5-913	<b>Road Name:</b>	NEWLAND	<b>Inspection Date:</b>	2021/09/22
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<b>Posted Load Rating (Enter 0 if sign missing)</b>	68	
<b>Road Surface</b>	Fair	needs grading

### DECK

<b>Span 1</b>		
<b>Curb Rail/Blocks/Posts</b>	Fair	
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Fair	
<b>Running Planks</b>	Not Applicable	
<b>Sub Deck</b>	Fair	up section is narrower than the rest, see pics
<b>Ties</b>	Good	

### SUPERSTRUCTURE

<b>Span 1</b>		
<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	2.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	6	Required	High		Install approach fenders

### Corporate Bridge Register (CBR)

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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 971 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-521	Structure Name:	G5-913	Road Name:	NEULAND	Inspection Date:	2021/09/22
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	No significant issues. GZ				
	PEng's Comment:	No concerns. JDS				
<b>GENERAL</b>	Estimated Load Restriction (year):	2030	Estimated Replacement (year):			
	Current Inspection Load Rating:	68	Design Load GVW (tonnes):	68	Design Vehicle Config.:	L75
	Professional Inspection Required?	No	Report Status:	Reviewed By Jordan Smith on 2022/02/10 15:49:10		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 972 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-524	Structure Name:	G4-913	Road Name:	NEWLAND	Inspection Date:	2021/09/22	
KM:	9.00	User km:	22.21	Crossing Name:	Un-named Creek	Next Inspection Date:	2024/09/22	
Project File ID #:	8280	Br.	05	Forest District:	Stuart Nechako Natural Resource District			
Deck Type:	Timber - Untreated			Running Surface:	Not Available			
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks		
Superstructure:	Steel I-beam				Right	Concrete Lock Blocks		
Total Length (metres):	15.2	# Spans:	1	Span Width:			Span Length(s) (metres):	15.2
UTM Zone:	10		UTM Easting:	412612		UTM Northing:	6110662	
Inspector Name:	Dawson Smith			Year Superstructure Installed:	2015			
Access:								

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Concrete Lock Blocks	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Good	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	2	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	0	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 973 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-524	<b>Structure Name:</b>	G4-913	<b>Road Name:</b>	NEWLAND	<b>Inspection Date:</b>	2021/09/22
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<b>Road Surface</b>	Good	
<b>DECK</b>		
<b>Span 1</b>		
<b>Curb Rail/Blocks/Posts</b>	Good	
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Unrated	(Rate as GOOD. GZ)
<b>Overall Deck Condition</b>	Fair	missing a few mud boards
<b>Running Planks</b>	Not Applicable	(Rate as GOOD. GZ)
<b>Sub Deck</b>	Good	missing a few mud boards (N/A)
<b>Ties</b>	Good	

<b>SUPERSTRUCTURE</b>		
<b>Span 1</b>		
<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.5	<b>Estimated Present Water Level Width:</b>	2.0
	<b>Estimated High Water Level Clearance:</b>	3.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	5	Required	Medium		Add bridge ahead signage.

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 974 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-524	Structure Name:	G4-913	Road Name:	NEWLAND	Inspection Date:	2021/09/22
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	No significant issues. GZ				
	PEng's Comment:	No concerns. JDS				
<b>GENERAL</b>	Estimated Load Restriction (year):	2042	Estimated Replacement (year):			
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Jordan Smith on 2022/02/10 15:59:04		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 975 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR/WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-420	Structure Name:	G5-420	Road Name:	RAINBOW	Inspection Date:	2021/09/22
KM:	1.30	User km:	1.30	Crossing Name:	Unnamed creek	Next Inspection Date:	2024/09/22
Project File ID #:	8287	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Treated			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel Truss/Bailey/Acrow				Right	Concrete Lock Blocks	
Total Length (metres):	9.0	# Spans:	1	Span Width:			Span Length(s) (metres): 9
UTM Zone:	10		UTM Easting:	428454	UTM Northing:	6089332	
Inspector Name:	Dawson Smith			Year Superstructure Installed:	1999		
Access:							

### ABUTMENTS

Bearings	Not Applicable	
Bracing	Not Applicable	
Ballast Wall	Good	
Concrete Lock Blocks	Unrated	(Rate as GOOD. GZ)
Concrete Precast	Unrated	Lock blocks
Corrosion Protection	Not Applicable	(Rate as FAIR. GZ)
Caps or Sills	Unrated	none, it is bolted to the lock blocks (N/A. GZ)
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Fair	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	Rate as YES. GZ)
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Fair	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 976 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-420	Structure Name:	G5-420	Road Name:	RAINBOW	Inspection Date:	2021/09/22
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Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### DECK

<b>Span 1</b>		
Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

<b>Span 1</b>		
Bracing	Good	
Diaphragms	Unrated	none
Girders	Good	
Hardware	Good	
Under Trussing	Not Applicable	(N/A. GZ)

<b>CHANNEL</b>	Estimated Present Water Level Depth:	1.0	Estimated Present Water Level Width:	3.0
	Estimated High Water Level Clearance:	2.0		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

### Corporate Bridge Register (CBR)

Disclaimer:  
 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.  
 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 977 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-420	<b>Structure Name:</b>	G5-420	<b>Road Name:</b>	RAINBOW	<b>Inspection Date:</b>	2021/09/22	
<b>MONITORS</b>	#	Description						
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bailey/Acrow structure, usually they are green (Bailey) or galvanized (Acrow), the yellow paint is weird. This structure is bolted directly to lock blocks, there is no concrete precast.  No issues. GZ						
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH						
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2039	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>		No	<b>Report Status:</b> Reviewed By Bruce Henderson on 2022/02/10 13:37:59				

### Corporate Bridge Register (CBR)

- Disclaimer:
- Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 978 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-421	<b>Structure Name:</b>	G5-421	<b>Road Name:</b>	RAINBOW	<b>Inspection Date:</b>	2018/10/11
<b>KM:</b>	6.10	<b>User km:</b>	6.10	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2020/01/01
<b>Project File ID #:</b>	8287	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	4,000			<b>Outlet Cover (mm):</b>	4,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	33.0	<b>Opening Height (mm):</b>	1,600	<b>Opening Width (mm):</b>	1,600		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	429718	<b>UTM Northing:</b>	6089457		
<b>Inspector Name:</b>	Gary Zsombor			<b>Year Superstructure Installed:</b>	1985		
<b>Access:</b>	Minor culvert						



<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>		<b>Estimated Present Water Level Width:</b>							
	<b>Estimated High Water Level Clearance:</b>									
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>					
<b>MONITORS</b>	<b>#</b>	<b>Description</b>								
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Minor culvert, do not inspect								
	<b>PEng's Comment:</b>	This culvert falls under the district normal road maintenance inspections and not major structure inspections.								

### Corporate Bridge Register (CBR)

Disclaimer:  
 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.  
 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 979 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-421	<b>Structure Name:</b>	G5-421	<b>Road Name:</b>	RAINBOW	<b>Inspection Date:</b>	2018/10/11
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2020	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		54	<b>Design Load GVW (tonnes):</b>		54	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Jason Olmsted on 2019/02/07 13:50:36		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 980 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-390	<b>Structure Name:</b>	G5-390	<b>Road Name:</b>	NECOSLIE	<b>Inspection Date:</b>	2022/07/19
<b>KM:</b>	3.50	<b>User km:</b>	0.00	<b>Crossing Name:</b>	Necoslie River	<b>Next Inspection Date:</b>	2025/07/19
<b>Project File ID #:</b>	8303	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials	
<b>Total Length (metres):</b>	15.3	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	15.3
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	429292	<b>UTM Northing:</b>	6023009	
<b>Inspector Name:</b>	Warren Wilkinson			<b>Year Superstructure Installed:</b>	1985		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	side close inspection, left side
<b>Bracing</b>	Fair	tie backs
<b>Ballast Wall</b>	Fair	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	creasode dissolving with age
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Fair	
<b>Riprap</b>	Not Applicable	
<b>Wing Wall</b>	Fair	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Fair	missing nose cone both sides downstream
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	freshly graded

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 981 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-390	Structure Name:	G5-390	Road Name:	NECOSLIE	Inspection Date:	2022/07/19
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Not Applicable	unobservable
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Fair	some wear
Sub Deck	Good	creosote treated
Ties	Good	creosote treated

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	visually
Under Trussing	Good	

CHANNEL	Estimated Present Water Level Depth:	2.0	Estimated Present Water Level Width:	6.0
	Estimated High Water Level Clearance:	1.0		

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

REPAIRS	#	Status	Priority	Estimate	Description
	4	Required	High		brushing
	5	Required	Medium		nose cones

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 982 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-390	Structure Name:	G5-390	Road Name:	NECOSLIE	Inspection Date:	2022/07/19
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	Engineer to re-evaluate inspection to ever 2 years?				
	PEng's Comment:	Good. BH				
<b>GENERAL</b>	Estimated Load Restriction (year):	2035	Estimated Replacement (year):			
	Current Inspection Load Rating:	68	Design Load GVW (tonnes):	41	Design Vehicle Config.:	L45
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/11/29 15:23:45		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 983 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-395	Structure Name:	G4-912	Road Name:	NECOSLIE-	Inspection Date:	2021/07/09
KM:	16.40	User km:	16.40	Crossing Name:	Un-named	Next Inspection Date:	2024/07/09
Project File ID #:	8303	Br.	07	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Treated			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel I-beam				Right	Sill -Temporary Materials	
Total Length (metres):	15.2	# Spans:	1	Span Width:		Span Length(s) (metres):	15.2
UTM Zone:	10		UTM Easting:	447559	UTM Northing:	6011058	
Inspector Name:	Dawson Smith			Year Superstructure Installed:	2017		
Access:							

### ABUTMENTS

Bearings	Not Applicable	
Bracing	Not Applicable	
Ballast Wall	Good	
Concrete Lock Blocks	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Not Applicable	
Log/Timber Cribs	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Tie-backs	Not Applicable	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 984 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-395	<b>Structure Name:</b>	G4-912	<b>Road Name:</b>	NECOSLIE-	<b>Inspection Date:</b>	2021/07/09
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<b>Fender Condition</b>	Poor	log fenders, some missing
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	
<b>Road Surface</b>	Fair	

### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Good	
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Good	
<b>Running Planks</b>	Not Applicable	
<b>Sub Deck</b>	Good	
<b>Ties</b>	Good	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

### Corporate Bridge Register (CBR)

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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 985 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-395	Structure Name:	G4-912	Road Name:	NECOSLIE-	Inspection Date:	2021/07/09
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REPAIRS	#	Status	Priority	Estimate	Description
	2	Required	Medium		Install approach fill
3	Required	Medium		Install fenders	

MONITORS	#	Description

GENERAL	Inspector's Comment:	No significant issues. GZ
	PEng's Comment:	No concerns. BH

GENERAL	Estimated Load Restriction (year):	2032	Estimated Replacement (year):			
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/02/06 19:48:24		

### Corporate Bridge Register (CBR)

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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 986 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-391	<b>Structure Name:</b>	G5-391	<b>Road Name:</b>	NECOSLIE-	<b>Inspection Date:</b>	2022/07/19	
<b>KM:</b>	4.00	<b>User km:</b>	704.00	<b>Crossing Name:</b>	Necoslie River	<b>Next Inspection Date:</b>	2025/07/19	
<b>Project File ID #:</b>	8303	<b>Br.</b>	07	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Concrete			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials		
<b>Total Length (metres):</b>	27.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	27
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	440170		<b>UTM Northing:</b>	6012036	
<b>Inspector Name:</b>	Warren Wilkinson		<b>Year Superstructure Installed:</b>	2004				
<b>Access:</b>	Special Equipment Requirement: This structure requires a ladder to inspect right abutment bearings.							

### ABUTMENTS

<b>Bearings</b>	Good	cannot do close inspection of right side
<b>Bracing</b>	Good	tie backs
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	sills- two eye beams welded together length wise
<b>Fill</b>	Good	
<b>Hardware</b>	Fair	some loose/ missing {nuts}
<b>Piles or Posts</b>	Good	piles
<b>Riprap</b>	Not Applicable	
<b>Wing Wall</b>	Good	

### APPROACHES

<b>Alignment</b>	Good	bottom of two hills
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	Yes	for inspection purposes
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	68	
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 987 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G5-391 Structure Name: G5-391 Road Name: NECOSLIE- Inspection Date: 2022/07/19

### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	fairly new
Deck Joints	Good	no fill between deck and ballast wall
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	visual check
Under Trussing	Good	

CHANNEL	Estimated Present Water Level Depth:	2.0	Estimated Present Water Level Width:	6.0
	Estimated High Water Level Clearance:	1.0		

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

REPAIRS	#	Status	Priority	Estimate	Description
	4	Required	Low		brush left/right

MONITORS	#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 988 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-391	<b>Structure Name:</b>	G5-391	<b>Road Name:</b>	NECOSLIE-	<b>Inspection Date:</b>	2022/07/19
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2049		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	68	<b>Design Load GVW (tonnes):</b>	68	<b>Design Vehicle Config.:</b>	L75	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/29 15:54:23			

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 989 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-392	Structure Name:	G5-905	Road Name:	NECOSLIE-	Inspection Date:	2021/09/16
KM:	27.80	User km:		Crossing Name:	Necoslie	Next Inspection Date:	2024/09/16
Project File ID #:	8303	Br.	07	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel I-beam				Right	Concrete Lock Blocks	
Total Length (metres):	12.2	# Spans:	1	Span Width:		Span Length(s) (metres):	12.2
UTM Zone:	10		UTM Easting:	443056		UTM Northing:	6013270
Inspector Name:	Dustin Anderberg			Year Superstructure Installed:	2005		
Access:							

### ABUTMENTS

Bearings	Not Applicable	
Bracing	Not Applicable	
Ballast Wall	Good	
Concrete Lock Blocks	Fair	Lock blocks
Corrosion Protection	Not Applicable	
Caps or Sills	Fair	Starting to crush under girder
Fill	Good	
Hardware	Not Applicable	
Piles or Posts	Not Applicable	
Riprap	Fair	Only on left abutment
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Fair	Chipped spalling
Posted Load Rating (Enter 0 if sign missing)	68	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 990 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-392	<b>Structure Name:</b>	G5-905	<b>Road Name:</b>	NECOSLIE-	<b>Inspection Date:</b>	2021/09/16
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<b>Road Surface</b>	Fair	Minor pot holing on both approaches
---------------------	------	-------------------------------------

### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Poor	Rotten and not functioning
<b>Deck to Girder Bolts</b>	Not Applicable	
<b>Hardware</b>	Fair	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Fair	
<b>Running Planks</b>	Good	
<b>Sub Deck</b>	Fair	Fruiting bodies indicate rot
<b>Ties</b>	Fair	Rotten ends

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.0	<b>Estimated Present Water Level Width:</b>	0.0
	<b>Estimated High Water Level Clearance:</b>	1.2		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	9	Complete	High	\$ 1.00	Replace sub decking and cross ties.
	10	Complete	High	\$ 1.00	Replace curbs and risers. Rotting and non functional

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 991 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-392	Structure Name:	G5-905	Road Name:	NECOSLIE-	Inspection Date:	2021/09/16
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<b>MONITORS</b>	#	Description
	3	Left bank bearing sill for crushing under girder

<b>GENERAL</b>	Inspector's Comment:	
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<b>GENERAL</b>	PEng's Comment:	Significant rot in risers curbs and decking components. Downrate to 5 tonne to address high priority repairs.BH
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<b>GENERAL</b>	Estimated Load Restriction (year):	2040	Estimated Replacement (year):			
	Current Inspection Load Rating:	0	Design Load GVW (tonnes):	68	Design Vehicle Config.:	L75
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/06/28 15:23:35		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 992 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-393	Structure Name:	G5-906	Road Name:	NECOSLIE-	Inspection Date:	2022/07/19
KM:	28.00	User km:		Crossing Name:	Necoslie	Next Inspection Date:	2025/07/19
Project File ID #:	8303	Br.	07	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel I-beam				Right	Concrete Lock Blocks	
Total Length (metres):	12.2	# Spans:	1	Span Width:		Span Length(s) (metres):	12.2
UTM Zone:	10		UTM Easting:	443176		UTM Northing:	6014114
Inspector Name:	Warren Wilkinson		Year Superstructure Installed:	2006			
Access:							

### ABUTMENTS

Bearings	Fair	cement blocks uneven sill skewed front to back
Bracing	Not Applicable	
Ballast Wall	Good	
Concrete Lock Blocks	Poor	leaning towards back fill- both sides
Corrosion Protection	Not Applicable	
Caps or Sills	Good	sills
Fill	Fair	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Not Applicable	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	2	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	68	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 993 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-393	<b>Structure Name:</b>	G5-906	<b>Road Name:</b>	NECOSLIE-	<b>Inspection Date:</b>	2022/07/19
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<b>Road Surface</b>	Fair
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### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Excellent	new
<b>Deck to Girder Bolts</b>	Excellent	
<b>Hardware</b>	Good	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Good	
<b>Running Planks</b>	Not Applicable	
<b>Sub Deck</b>	Good	
<b>Ties</b>	Excellent	new

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Under Trussing</b>	Good	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	1.5
	<b>Estimated High Water Level Clearance:</b>	0.4		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 994 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-393	Structure Name:	G5-906	Road Name:	NECOSLIE-	Inspection Date:	2022/07/19
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	P.Eng to look at cement blocks				
	P.Eng's Comment:	Deck panels replaced in 2022. Some settlement of concrete lock blocks causing uneven bearing surface on both sides. Schedule P.Eng. for 2023 to determine progression of movement and stability of the block abutments.BH				
<b>GENERAL</b>	Estimated Load Restriction (year):	2030	Estimated Replacement (year):			
	Current Inspection Load Rating:	68	Design Load GVW (tonnes):	68	Design Vehicle Config.:	L75
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/12/05 14:58:20		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 995 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-018	<b>Structure Name:</b>	G4-018	<b>Road Name:</b>	BEVERLY	<b>Inspection Date:</b>	2002/07/23
<b>KM:</b>	5.60	<b>User km:</b>	5.60	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2030/01/01
<b>Project File ID #:</b>	8671	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	500			<b>Outlet Cover (mm):</b>	600		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	12.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	466638	<b>UTM Northing:</b>	5976662		
<b>Inspector Name:</b>	Tim Silbernagel			<b>Year Superstructure Installed:</b>	1995		
<b>Access:</b>	This FSR is located 1.9 km off Highway 16 on Finmore Road. Minor culvert.						

### APPROACHES

<b>Bridge Ahead Signs Missing</b>	2	No Comment Available -Converter.RNI
<b>Delineator Missing Left</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Delineator Missing Right</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0.0	No Comment Available -Converter.RNI
<b>Road Surface</b>	Good	No Comment Available -Converter.RNI

### CULVERT ELEMENT

<b>Coupled Connections</b>	Good	No Comment Available -Converter.RNI
<b>Coating</b>	Good	No Comment Available -Converter.RNI
<b>Fill</b>	Fair	No Comment Available -Converter.RNI
<b>Floor</b>	Fair	No Comment Available -Converter.RNI
<b>Inlet</b>	Good	No Comment Available -Converter.RNI
<b>Outlet</b>	Fair	No Comment Available -Converter.RNI
<b>Riprap</b>	Fair	No Comment Available -Converter.RNI
<b>Roof</b>	Fair	No Comment Available -Converter.RNI
<b>Side Walls</b>	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 996 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-018	<b>Structure Name:</b>	G4-018	<b>Road Name:</b>	BEVERLY	<b>Inspection Date:</b>	2002/07/23
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>			
	<b>Estimated High Water Level Clearance:</b>			1.0			
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b> Yes
	<b>Aggradation:</b>						
<b>Comment:</b>							
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>		
	1	Suggested	Medium	\$ 0.00	Span: 1.0. Debris removal. remove log from outlet.		
<b>MONITORS</b>	<b>#</b>	<b>Description</b>					
	1	Monitor for Beaver activity if culvert remains on register. (no beaver problems TS2002)					
<b>GENERAL</b>	<b>Inspector's Comment:</b>	nullCulvert: 2) remove log from outlet 5,6) sagged 0.2M under roadway 12) none, slow creek/swamp.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2045	<b>Estimated Replacement (year):</b>		
	<b>Current Inspection Load Rating:</b>	54	<b>Design Load GVW (tonnes):</b>	54	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By IDIR\RMGETZLA on 2012/04/12 16:16:58			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 997 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-400	Structure Name:	G5-400A	Road Name:	OCOCK	Inspection Date:	2023/09/02
KM:	3.60	User km:	3.60	Crossing Name:	Unnamed creek	Next Inspection Date:	2026/09/02
Project File ID #:	8722	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Treated - Panels			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Steel Pipe and Precast Pad	
Superstructure:	Steel I-beam				Right	Steel Pipe and Precast Pad	
Total Length (metres):	18.3	# Spans:	1	Span Width:		Span Length(s) (metres):	18
UTM Zone:	10		UTM Easting:	443862	UTM Northing:	6054523	
Inspector Name:	John Brett			Year Superstructure Installed:	2016		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Good	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 998 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-400	Structure Name:	G5-400A	Road Name:	OCOCK	Inspection Date:	2023/09/02
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.4	Estimated Present Water Level Width:	4.0
Estimated High Water Level Clearance:	3.0		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description

### MONITORS

#	Description
1	Monitor beaver activity, currently there is a small dam under the bridge but not affecting the site,

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 999 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-400	<b>Structure Name:</b>	G5-400A	<b>Road Name:</b>	OCOCK	<b>Inspection Date:</b>	2023/09/02
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in good shape overall. There is beaver activity beneath the bridge however at this point it does not seem to be affecting the structure.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Looks good. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2050		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/10/24 14:36:45			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1000 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-404	Structure Name:	G5-404	Road Name:	OCOCK	Inspection Date:	2021/10/15
KM:	12.20	User km:	12.20	Crossing Name:	unknown	Next Inspection Date:	2024/10/15
Project File ID #:	8722	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Open Bottom		Culvert Material:	Corrugated Steel			
Inlet Cover (mm):	3,000		Outlet Cover (mm):	3,000			
Footing Type:	Steel Footing		Gradient (%):	1.7			
Culvert Length (metres):	29.0	Opening Height (mm):	1,910	Opening Width (mm):	3,660		
UTM Zone:	10	UTM Easting:	440059	UTM Northing:	6061490		
Inspector Name:	Gary Zsombor		Year Superstructure Installed:	2008			
Access:							

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Unrated	None
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Good	
Coupled Connections	Not Applicable	
Coating	Good	
Embedment Materials	Not Applicable	
Fill	Good	
Floor	Poor	Loosing material. Scoured below footings
Footing	Poor	Scoured under a 2m section. 8m above inlet
Head Wall	Not Applicable	
Inlet	Good	
Outlet	Fair	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1001 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-404	<b>Structure Name:</b>	G5-404	<b>Road Name:</b>	OCOCK	<b>Inspection Date:</b>	2021/10/15
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<b>Overall</b>	Fair
<b>Riprap</b>	Fair
<b>Roof</b>	Good
<b>Side Walls</b>	Good
<b>Trash Rack</b>	Not Applicable
<b>Wiers/Backwater Structures</b>	Not Applicable
<b>Wing Wall</b>	Not Applicable

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	1.3
	<b>Estimated High Water Level Clearance:</b>	1.8		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	3	Required	Medium		Remove trees across the channel at outlet

<b>MONITORS</b>	#	Description
	1	Monitor scour and undermining of footing.

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Scour under footing goes to the back of the footing. Approximately 0.1m deep. It appears that the arch footing was installed above the stream thalweg
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Monitor footing scour. Otherwise in good condition.BH
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/07 07:51:52		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1002 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-406	<b>Structure Name:</b>	G5-989	<b>Road Name:</b>	OCOCK	<b>Inspection Date:</b>	2021/09/21
<b>KM:</b>	13.90	<b>User km:</b>	13.90	<b>Crossing Name:</b>	Un-named Creek	<b>Next Inspection Date:</b>	2024/09/21
<b>Project File ID #:</b>	8722	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated - Panels			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks	
<b>Total Length (metres):</b>	12.2	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	12
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	440081	<b>UTM Northing:</b>	6062856	
<b>Inspector Name:</b>	Dawson Smith			<b>Year Superstructure Installed:</b>	2016		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	1	
<b>Delineator Missing Right (approaching structure)</b>	1	
<b>Fender Condition</b>	Poor	some out of place or missing
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1003 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b> G5-406	<b>Structure Name:</b> G5-989	<b>Road Name:</b> OCOCK	<b>Inspection Date:</b> 2021/09/21
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<b>Road Surface</b>	Fair	needs grading
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DECK		
Span 1		
Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

SUPERSTRUCTURE		
Span 1		
Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	0.1
	<b>Estimated High Water Level Clearance:</b>	2.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	4	Required	Medium	\$ 0.00	Reposition and install missing fenders.
	5	Required	Medium	\$ 0.00	Grade approaches
	6	Required	Low	\$ 0.00	Add one delineator

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1004 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-406	Structure Name:	G5-989	Road Name:	OCOCK	Inspection Date:	2021/09/21
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MONITORS	#	Description				
GENERAL	Inspector's Comment:	needs approaches graded, end on fenders Poor inspection but no significant issues. GZ				
GENERAL	PEng's Comment:	No concerns. BH				
GENERAL	Estimated Load Restriction (year):		2030	Estimated Replacement (year):		
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/02/07 10:19:00		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 1005 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-401	Structure Name:	G5-401	Road Name:	OCOCK	Inspection Date:	2023/09/02
KM:	14.90	User km:	14.50	Crossing Name:	O'Cock River	Next Inspection Date:	2026/09/02
Project File ID #:	8722	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	900			Outlet Cover (mm):	900		
Footing Type:				Gradient (%):			
Culvert Length (metres):	49.0	Opening Height (mm):	2,400	Opening Width (mm):	2,400		
UTM Zone:	10	UTM Easting:	439842	UTM Northing:	6063725		
Inspector Name:	John Brett			Year Superstructure Installed:	1991		
Access:							

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<b>CHANNEL</b>	Estimated Present Water Level Depth:		Estimated Present Water Level Width:							
	Estimated High Water Level Clearance:									
<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									
<b>REPAIRS</b>	#	Status	Priority	Estimate	Description					
<b>MONITORS</b>	#	Description								
<b>GENERAL</b>	Inspector's Comment:	Culvert is in good shape overall. Monitor items appear to be consistent with previous inspections with little to no additional scour noted. Plunge is 35cm to bottom of channel and there is 90 cm of scour from outlet to fill. Bottom of culvert is rusting but no holes were noted during the inspection.								
	PEng's Comment:	Minor culvert. No elements have been rated in inspection. Enough information for accepting and review. BH								

<b>Corporate Bridge Register (CBR)</b>
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1006 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-401	<b>Structure Name:</b>	G5-401	<b>Road Name:</b>	OCOCK	<b>Inspection Date:</b>	2023/09/02
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2031	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b> L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2023/11/28 13:10:11		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1007 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-405	Structure Name:	G5-405	Road Name:	OCOCK	Inspection Date:	2021/09/21
KM:	21.30	User km:	21.30	Crossing Name:	Unknown	Next Inspection Date:	2024/09/21
Project File ID #:	8722	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Treated - Panels			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel I-beam				Right	Concrete Lock Blocks	
Total Length (metres):	12.0	# Spans:	1	Span Width:			Span Length(s) (metres): 12
UTM Zone:	10		UTM Easting:	439348		UTM Northing:	6065790
Inspector Name:	Dawson Smith			Year Superstructure Installed:	2007		
Access:							

### ABUTMENTS

Bearings	Poor	structure not sitting on sill correctly
Bracing	Not Applicable	
Ballast Wall	Poor	showing significant decay
Concrete Lock Blocks	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Poor	structure not sitting on sill correctly
Fill	Fair	
Hardware	Not Applicable	
Piles or Posts	Not Applicable	
Riprap	Fair	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	2	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Fair	
Posted Load Rating (Enter 0 if sign missing)	0	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1008 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-405	<b>Structure Name:</b>	G5-405	<b>Road Name:</b>	OCOCK	<b>Inspection Date:</b>	2021/09/21
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<b>Road Surface</b>	Good	
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DECK		
Span 1		
<b>Curb Rail/Blocks/Posts</b>	Poor	significant decay
<b>Deck to Girder Bolts</b>	Good	
<b>Hardware</b>	Fair	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Good	
<b>Overall Deck Condition</b>	Fair	
<b>Running Planks</b>	Good	
<b>Sub Deck</b>	Good	
<b>Ties</b>	Good	

SUPERSTRUCTURE		
Span 1		
<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	7	Required	High	\$	Replace curbs and risers
	8	Required	High	\$	Replace ballast walls
	9	Required	High	\$ 0.00	Install both bridge ahead signs
	10	Required	High	\$ 0.00	Brush around bridge.

**Corporate Bridge Register (CBR)**

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1009 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-405	Structure Name:	G5-405	Road Name:	OCOCK	Inspection Date:	2021/09/21
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MONITORS	#	Description				
GENERAL	Inspector's Comment:	significant rot in guardrails and ballast walls, see pictures Load restrictions should be applied. GZ				
	PEng's Comment:	Significant rot in curbs. Replace ballast walls and reposition sills. Bridge downrated to 10 tonnes until repairs completed. BH				
GENERAL	Estimated Load Restriction (year):	2040	Estimated Replacement (year):			
	Current Inspection Load Rating:	10	Design Load GVW (tonnes):	91	Design Vehicle Config.:	
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/02/07 08:35:00		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 1010 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-410	<b>Structure Name:</b>	G5-410-2	<b>Road Name:</b>	WEST	<b>Inspection Date:</b>	2021/09/21
<b>KM:</b>	0.80	<b>User km:</b>	0.80	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2024/09/21
<b>Project File ID #:</b>	8722	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	1,000			<b>Outlet Cover (mm):</b>	1,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	19.0	<b>Opening Height (mm):</b>	1,600	<b>Opening Width (mm):</b>	1,600		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	440159	<b>UTM Northing:</b>	6058750		
<b>Inspector Name:</b>	Dawson Smith			<b>Year Superstructure Installed:</b>	1991		
<b>Access:</b>	Two culverts (battery) are located on this site - culvert one is G5-410; culvert two is G5-410-2.						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Good	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 1011 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-410	<b>Structure Name:</b>	G5-410-2	<b>Road Name:</b>	WEST	<b>Inspection Date:</b>	2021/09/21
<b>Inlet</b>	Poor	Both inlets are plugged by beavers, the water has breached the road surface					
<b>Outlet</b>	Good						
<b>Overall</b>	Poor	Both inlets are plugged by beavers, the water has breached the road surface					
<b>Riprap</b>	Not Applicable						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	0.1
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	Both inlets are plugged by beavers, the water has breached the road surface								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	1	Required	High	\$	Both inlets are plugged by beavers, the water has breached the road surface

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Both inlets are plugged by beavers, the water has breached the road surface
	<b>PEng's Comment:</b>	Clean both culverts. BH

<b>GENERAL</b>	<b>PEng's Comment:</b>	Clean both culverts. BH
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1012 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-410	<b>Structure Name:</b>	G5-410-2	<b>Road Name:</b>	WEST	<b>Inspection Date:</b>	2021/09/21
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2031	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/02/09 14:53:03		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1013 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-410	<b>Structure Name:</b>	G5-410	<b>Road Name:</b>	WEST	<b>Inspection Date:</b>	2021/10/15
<b>KM:</b>	0.80	<b>User km:</b>	0.80	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2024/09/21
<b>Project File ID #:</b>	8722	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	1,000			<b>Outlet Cover (mm):</b>	1,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>			
<b>Culvert Length (metres):</b>	19.0	<b>Opening Height (mm):</b>	1,600	<b>Opening Width (mm):</b>	1,600		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	440159	<b>UTM Northing:</b>	6058750		
<b>Inspector Name:</b>	Gary Zsombor			<b>Year Superstructure Installed:</b>	1991		
<b>Access:</b>	Two culverts (battery) are located on this site - culvert one is G5-410; culvert two is G5-410-2.						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Fair	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Fair	
<b>Footing</b>	Fair	
<b>Head Wall</b>	Not Applicable	
<b>Inlet</b>	Fair	Plugged by beavers
<b>Outlet</b>	Good	
<b>Overall</b>	Fair	Plugged by beavers
<b>Riprap</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1014 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-410	<b>Structure Name:</b>	G5-410	<b>Road Name:</b>	WEST	<b>Inspection Date:</b>	2021/10/15
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>			
	<b>Estimated High Water Level Clearance:</b>						
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b> Yes <b>Aggradation:</b> No
	<b>Comment:</b>	Cannot take measurements					
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>		
<b>MONITORS</b>	<b>#</b>	<b>Description</b>					
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Issues with Filemakergo. Cannot put in poor rating.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Used Solid soils inspection.					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2031	<b>Estimated Replacement (year):</b>		
	<b>Current Inspection Load Rating:</b>	See footnote	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b> Rejected By IDIR\BHENDERS on 2022/02/28 09:23:04				

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1015 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-450	<b>Structure Name:</b>	G5-450	<b>Road Name:</b>	TCHENTLO	<b>Inspection Date:</b>	2022/11/11
<b>KM:</b>	5.40	<b>User km:</b>	5.40	<b>Crossing Name:</b>	Brule Creek	<b>Next Inspection Date:</b>	2025/11/11
<b>Project File ID #:</b>	9275	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Concrete		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials	
<b>Total Length (metres):</b>	30.0	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	30
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	357797		<b>UTM Northing:</b>	6128033
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1992		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 1016 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G5-450 Structure Name: G5-450 Road Name: TCHENTLO Inspection Date: 2022/11/11

### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Good	one broken riser
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.4	Estimated Present Water Level Width:	12.0
	Estimated High Water Level Clearance:	3.0		

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

REPAIRS	#	Status	Priority	Estimate	Description
	4	Required	Low	\$ 500.00	realign one bullnose section of fender
5	Required	Medium	\$ 0.00	Replace one 10x10 x 2 ft riser block on the Right Bank A-Panel upstream side	

MONITORS	#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
- Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1017 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-450	<b>Structure Name:</b>	G5-450	<b>Road Name:</b>	TCHENTLO	<b>Inspection Date:</b>	2022/11/11
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Structure is in good shape overall. One riser block noted for replacement. Some rub damage on guardrails but good overall. No issues noted during inspection pertaining to beaver activity or cracks in the ballast wall.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2032		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/12 09:42:59			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1018 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-451	<b>Structure Name:</b>	G5-451	<b>Road Name:</b>	TCHENTLO	<b>Inspection Date:</b>	2022/11/11
<b>KM:</b>	7.60	<b>User km:</b>	7.60	<b>Crossing Name:</b>	Nation River	<b>Next Inspection Date:</b>	2025/11/11
<b>Project File ID #:</b>	9275	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Not Available		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Steel Pipe and Precast Pad	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Steel Pipe and Precast Pad	
<b>Total Length (metres):</b>	55.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b> 55
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	358767		<b>UTM Northing:</b>	6129475
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1992		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Good	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	vertical hump
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	1	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 1019 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G5-451 Structure Name: G5-451 Road Name: TCHENTLO Inspection Date: 2022/11/11

### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Fair	some damage to be repaired
Deck Joints	Good	paraseal gone from ballast wall to A Panel joint
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.8	Estimated Present Water Level Width:	12.0
Estimated High Water Level Clearance:	3.5		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
5	Required	Low		Replace paraseal joints at each end of bridge
6	Required	Medium		Replace 5 risers and 2 end rails. risers - 5 pieces of 10x10 by 2ft rails - 2 pieces of 10x10 by 15 ft 10 pieces of 3/4 inch by 3/4 galvanized bolts with washers and nuts
7	Required	Low		Install missing delineators.

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1020 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-451	Structure Name:	G5-451	Road Name:	TCHENTLO	Inspection Date:	2022/11/11
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good condition overall. Some guardrail damage noted and should be repaired. Fender had been hit but is stil solid and functioning as intended. Current monitor of ballast wall spalling is unclear on existing condition and location. No photos associated with monitor item. No ballast wall spalling issues noted during this inspection.				
	<b>PEng's Comment:</b>	No major concerns. BH				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2032	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/12 09:44:42		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1021 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-452	<b>Structure Name:</b>	G5-452	<b>Road Name:</b>	TCHENTLO	<b>Inspection Date:</b>	2016/09/22
<b>KM:</b>	8.70	<b>User km:</b>	8.70	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2019/09/22
<b>Project File ID #:</b>	9275	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	900		<b>Outlet Cover (mm):</b>	900			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	18.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	359606	<b>UTM Northing:</b>	6128610		
<b>Inspector Name:</b>	w.wilkinson		<b>Year Superstructure Installed:</b>	1992			
<b>Access:</b>	Minor culvert						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	2	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	2	
<b>Fender Condition</b>	None	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Fair	rust on floor
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Fair	Rust
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	
<b>Inlet</b>	Good	
<b>Outlet</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1022 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-452	<b>Structure Name:</b>	G5-452	<b>Road Name:</b>	TCHENTLO	<b>Inspection Date:</b>	2016/09/22
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<b>Overall</b>	Good
<b>Riprap</b>	Fair
<b>Roof</b>	Good
<b>Side Walls</b>	Good
<b>Trash Rack</b>	Not Applicable
<b>Wiers/Backwater Structures</b>	Not Applicable
<b>Wing Wall</b>	Not Applicable

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	0.5
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	No issues noted. Structure may have to switched to Do not inspect for several years. MD
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<b>GENERAL</b>	<b>PEng's Comment:</b>	
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2032	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jason Olmsted on 2017/05/02 15:24:16		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1023 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-453	Structure Name:	G5-453	Road Name:	TCHENTLO	Inspection Date:	2022/11/11
KM:	9.90	User km:	9.90	Crossing Name:	Unnamed creek	Next Inspection Date:	2025/11/11
Project File ID #:	9275	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	1,000			Outlet Cover (mm):	1,000		
Footing Type:				Gradient (%):			
Culvert Length (metres):	16.0	Opening Height (mm):	2,000	Opening Width (mm):	2,000		
UTM Zone:	10	UTM Easting:	360026	UTM Northing:	6127650		
Inspector Name:	John Brett			Year Superstructure Installed:	1992		
Access:	9.9 km T. Road						

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Not Applicable	
Coupled Connections	Good	
Coating	Good	some surface rust on floor
Embedment Materials	Not Applicable	
Fill	Good	
Floor	Good	
Footing	Not Applicable	
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1024 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-453	<b>Structure Name:</b>	G5-453	<b>Road Name:</b>	TCHENTLO	<b>Inspection Date:</b>	2022/11/11
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	1.3
	<b>Estimated High Water Level Clearance:</b>	1.2		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. Current plunge height at outlet is 55cm from culvert invert to bottom of plunge pool.
	<b>PEng's Comment:</b>	No concerns. BH

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. Current plunge height at outlet is 55cm from culvert invert to bottom of plunge pool.
	<b>PEng's Comment:</b>	No concerns. BH

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1025 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-453	<b>Structure Name:</b>	G5-453	<b>Road Name:</b>	TCHENTLO	<b>Inspection Date:</b>	2022/11/11
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2032	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/12 09:45:51			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1026 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-454	<b>Structure Name:</b>	G5-454	<b>Road Name:</b>	TCHENTLO	<b>Inspection Date:</b>	2022/11/11
<b>KM:</b>	12.30	<b>User km:</b>	12.30	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2025/11/11
<b>Project File ID #:</b>	9275	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	6,300			<b>Outlet Cover (mm):</b>	6,300		
<b>Footing Type:</b>				<b>Gradient (%):</b>	3.0		
<b>Culvert Length (metres):</b>	35.0	<b>Opening Height (mm):</b>	2,800	<b>Opening Width (mm):</b>	2,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	361700	<b>UTM Northing:</b>	6125896		
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1992		
<b>Access:</b>	12.3 T. Road						

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Good	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Fair	surface rust on floor and baffles
<b>Embedment Materials</b>	Poor	bit of gravel in baffles, may not be required by design
<b>Fill</b>	Good	
<b>Floor</b>	Fair	
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1027 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-454	<b>Structure Name:</b>	G5-454	<b>Road Name:</b>	TCHENTLO	<b>Inspection Date:</b>	2022/11/11
<b>Inlet</b>	Good						
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Good						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert is in good shape overall. Baffles are retaining some substrate material but is sparse however. Some woody debris hung up in baffles. Not clear if baffles are meant to retain substrate or just slow down flow.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1028 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-454	<b>Structure Name:</b>	G5-454	<b>Road Name:</b>	TCHENTLO	<b>Inspection Date:</b>	2022/11/11	
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2032	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Bruce Henderson on 2022/12/12 09:47:10			

### Corporate Bridge Register (CBR)

Disclaimer:  
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1029 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-455	Structure Name:	G5-455	Road Name:	TCHENTLO	Inspection Date:	2021/08/11
KM:	13.50	User km:	13.50	Crossing Name:	Unnamed creek	Next Inspection Date:	2024/08/11
Project File ID #:	9275	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	6,700			Outlet Cover (mm):	6,700		
Footing Type:				Gradient (%):	3.0		
Culvert Length (metres):	42.0	Opening Height (mm):	3,200	Opening Width (mm):	3,200		
UTM Zone:	10	UTM Easting:	362068	UTM Northing:	6124882		
Inspector Name:	Warren Wilkinson			Year Superstructure Installed:	1992		
Access:							

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	2	
Brushing Required	No	
Delineator Missing Left (approaching structure)	2	
Delineator Missing Right (approaching structure)	2	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Good	Rust on baffles
Bolted Connections	Not Applicable	
Coupled Connections	Good	
Coating	Fair	Rust
Embedment Materials	Not Applicable	
Fill	Good	3m
Floor	Fair	Heavy rust
Footing	Not Applicable	
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1030 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-455	<b>Structure Name:</b>	G5-455	<b>Road Name:</b>	TCHENTLO	<b>Inspection Date:</b>	2021/08/11
<b>Inlet</b>	Good						
<b>Outlet</b>	Poor	Perched, scour					
<b>Overall</b>	Fair						
<b>Riprap</b>	Fair	Scour has moved riprap at outlet					
<b>Roof</b>	Good						
<b>Side Walls</b>	Fair	Rust					
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	1.5
	<b>Estimated High Water Level Clearance:</b>	2.0		

<b>HAZARDS</b>	<b>High Water:</b>	Yes	<b>Scour:</b>	Yes	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	Yes
	<b>Comment:</b>	High water flow has scoured outlet and created a perched outlet								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	

<b>GENERAL</b>	<b>PEng's Comment:</b>	Outlet scour does not appear to have worsened since last inspection. No concerns. JDS

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1031 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-455	<b>Structure Name:</b>	G5-455	<b>Road Name:</b>	TCHENTLO	<b>Inspection Date:</b>	2021/08/11
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2032	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Jordan Smith on 2022/02/10 12:24:21		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 1032 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-456	<b>Structure Name:</b>	G5-456	<b>Road Name:</b>	TCHENTLO	<b>Inspection Date:</b>	2002/06/20
<b>KM:</b>	17.70	<b>User km:</b>	17.70	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2005/06/20
<b>Project File ID #:</b>	9275	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	2,000		<b>Outlet Cover (mm):</b>	2,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	18.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	365599	<b>UTM Northing:</b>	6122611		
<b>Inspector Name:</b>	Ed Cienciala		<b>Year Superstructure Installed:</b>	1992			
<b>Access:</b>	Minor culvert						

### APPROACHES

<b>Bridge Ahead Signs Missing</b>	2	No Comment Available -Converter.RNI
<b>Delineator Missing Left</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Delineator Missing Right</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0.0	No Comment Available -Converter.RNI

### CULVERT ELEMENT

<b>Coupled Connections</b>	Good	No Comment Available -Converter.RNI
<b>Coating</b>	Good	No Comment Available -Converter.RNI
<b>Fill</b>	Good	No Comment Available -Converter.RNI
<b>Floor</b>	Good	No Comment Available -Converter.RNI
<b>Inlet</b>	Good	No Comment Available -Converter.RNI
<b>Outlet</b>	Good	No Comment Available -Converter.RNI
<b>Riprap</b>	Good	No Comment Available -Converter.RNI
<b>Roof</b>	Good	No Comment Available -Converter.RNI
<b>Side Walls</b>	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1033 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-456	<b>Structure Name:</b>	G5-456	<b>Road Name:</b>	TCHENTLO	<b>Inspection Date:</b>	2002/06/20
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>			
	<b>Estimated High Water Level Clearance:</b>			1.5			
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b> No
	<b>Aggradation:</b>	No					
<b>Comment:</b>							
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>		
<b>MONITORS</b>	<b>#</b>	<b>Description</b>					
	1	Monitor for debris build-up at outlet. (OK - Chinch02)					
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2032	<b>Estimated Replacement (year):</b>		
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By IDIR\RMGETZLA on 2012/04/12 09:38:15			

### Corporate Bridge Register (CBR)

Disclaimer:  
 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.  
 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1034 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-457	Structure Name:	G5-457	Road Name:	TCHENTLO	Inspection Date:	2021/08/11
KM:	19.60	User km:	19.60	Crossing Name:	Unnamed creek	Next Inspection Date:	2024/08/11
Project File ID #:	9275	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	2,600			Outlet Cover (mm):	2,600		
Footing Type:				Gradient (%):	1.5		
Culvert Length (metres):	28.0	Opening Height (mm):	2,400	Opening Width (mm):	2,400		
UTM Zone:	10	UTM Easting:	367371	UTM Northing:	6122125		
Inspector Name:	Warren Wilkinson			Year Superstructure Installed:	1992		
Access:	19.6 km T Road						

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	2	
Brushing Required	No	
Delineator Missing Left (approaching structure)	2	
Delineator Missing Right (approaching structure)	2	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Not Applicable	
Coupled Connections	Good	Could not walk through did not observe joint 1
Coating	Fair	Rust
Embedment Materials	Not Applicable	
Fill	Good	1m
Floor	Fair	Rust
Footing	Not Applicable	
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1035 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-457	<b>Structure Name:</b>	G5-457	<b>Road Name:</b>	TCHENTLO	<b>Inspection Date:</b>	2021/08/11
<b>Inlet</b>	Fair	Beaver dam					
<b>Outlet</b>	Good						
<b>Overall</b>	Good						
<b>Riprap</b>	Fair	Not much					
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.5	<b>Estimated Present Water Level Width:</b>	1.5
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	Yes	<b>Aggradation:</b>	No
	<b>Comment:</b>	Beaver dam at inlet								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	5	Required	Medium	\$ 0.00	Beaver dam removal

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Beaver dam blocking inlet, debris is spilling into the inlet. Outlet partially blocked by displaced riprap. Little flow going through pipe. Consider removing dam and clearing inlet/outlet to prevent future issue. -JDS
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1036 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-457	<b>Structure Name:</b>	G5-457	<b>Road Name:</b>	TCHENTLO	<b>Inspection Date:</b>	2021/08/11
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2032	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jordan Smith on 2022/02/10 12:32:25			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1037 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-458	Structure Name:	G5-458	Road Name:	TCHENTLO	Inspection Date:	2021/08/11
KM:	20.30	User km:	20.30	Crossing Name:	Unnamed creek	Next Inspection Date:	2024/08/11
Project File ID #:	9275	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Round			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	1,660			Outlet Cover (mm):	1,660		
Footing Type:				Gradient (%):	4.0		
Culvert Length (metres):	23.0	Opening Height (mm):	2,800	Opening Width (mm):	2,800		
UTM Zone:	10	UTM Easting:	368143	UTM Northing:	6122164		
Inspector Name:	Warren Wilkinson			Year Superstructure Installed:	1992		
Access:							

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	2	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	2	
Delineator Missing Right (approaching structure)	2	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Not Applicable	
Coupled Connections	Good	
Coating	Good	
Embedment Materials	Not Applicable	
Fill	Good	1.5m
Floor	Good	some rust
Footing	Not Applicable	
Head Wall	Not Applicable	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1038 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-458	<b>Structure Name:</b>	G5-458	<b>Road Name:</b>	TCHENTLO	<b>Inspection Date:</b>	2021/08/11
<b>Inlet</b>	Good						
<b>Outlet</b>	Poor	Perched					
<b>Overall</b>	Good						
<b>Riprap</b>	Fair						
<b>Roof</b>	Good	dent in roof					
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	Yes
	<b>Comment:</b>	Pool formed at outlet								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	

<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. JDS

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1039 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-458	<b>Structure Name:</b>	G5-458	<b>Road Name:</b>	TCHENTLO	<b>Inspection Date:</b>	2021/08/11
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2032	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jordan Smith on 2022/02/10 12:36:48			

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 1040 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-459	<b>Structure Name:</b>	G5-459	<b>Road Name:</b>	TCHENTLO	<b>Inspection Date:</b>	2021/08/11
<b>KM:</b>	24.10	<b>User km:</b>	24.10	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2024/08/11
<b>Project File ID #:</b>	9275	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	1,150			<b>Outlet Cover (mm):</b>	1,150		
<b>Footing Type:</b>				<b>Gradient (%):</b>	4.0		
<b>Culvert Length (metres):</b>	21.0	<b>Opening Height (mm):</b>	2,400	<b>Opening Width (mm):</b>	2,400		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	371452	<b>UTM Northing:</b>	6122670		
<b>Inspector Name:</b>	Warren Wilkinson			<b>Year Superstructure Installed:</b>	1992		
<b>Access:</b>							

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Fair	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	1m
<b>Floor</b>	Fair	Rust
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	
<b>Inlet</b>	Good	Riprap in culvert

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1041 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-459	<b>Structure Name:</b>	G5-459	<b>Road Name:</b>	TCHENTLO	<b>Inspection Date:</b>	2021/08/11
<b>Outlet</b>	Good	Material building up on outlet floor					
<b>Overall</b>	Good						
<b>Riprap</b>	Good	Some has fallen into culvert in past					
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	
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<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. JDS
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2032	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91
	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jordan Smith on 2022/02/10 12:39:02

**Corporate Bridge Register (CBR)**

Disclaimer:  
 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.  
 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1042 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-460	<b>Structure Name:</b>	G5-460	<b>Road Name:</b>	TCHENTLO	<b>Inspection Date:</b>	2022/11/11	
<b>KM:</b>	37.20	<b>User km:</b>	37.20	<b>Crossing Name:</b>	Ahdatay Creek	<b>Next Inspection Date:</b>	2026/02/23	
<b>Project File ID #:</b>	9275	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete			<b>Running Surface:</b>	Not Available			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials		
<b>Total Length (metres):</b>	21.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	21
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	382557		<b>UTM Northing:</b>	6123218	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1993			
<b>Access:</b>	No load limit concerns. Nov/05							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Fair	migrated forward on the left bank abutment
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	1	
<b>Delineator Missing Right (approaching structure)</b>	1	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1043 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-460	Structure Name:	G5-460	Road Name:	TCHENTLO	Inspection Date:	2022/11/11
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Fair	replace bracket, 3 risers and one rail
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	3.0
Estimated High Water Level Clearance:	1.8		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
5	Required	Low	\$ 500.00	Add 1 right and 1 left delineator
6	Required	Low	\$	Replace all timber brackets 10 x10 x 2.5 ft Replace 3 riser blocks - 10x10 x 2 ft Replace 1 rail - 10x10 x 15 ft.

### MONITORS

#	Description
4	Riprap on left abutment has migrated forward into creek. See photos.

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1044 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-460	<b>Structure Name:</b>	G5-460	<b>Road Name:</b>	TCHENTLO	<b>Inspection Date:</b>	2022/11/11
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Issues on this structure include the riprap on the left bank abutment. It has migrated forward into the creek - see pics. Will likely need to be repaired if migration continues. Also noted is that all brackets are rotten / cracked and should be replaced as well as 3 riser blocks and 15 ft of rail. Deck panels on this bridge are grouted in but do not line up.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Continue to monitor rip rap migration. See repair items. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2033		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/12 09:49:29			

### Corporate Bridge Register (CBR)

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- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1045 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-182	<b>Structure Name:</b>	G5-101	<b>Road Name:</b>	Jess	<b>Inspection Date:</b>	2023/09/03
<b>KM:</b>	0.50	<b>User km:</b>		<b>Crossing Name:</b>	Unnamed Creek	<b>Next Inspection Date:</b>	2026/09/03
<b>Project File ID #:</b>	9305	<b>Br.</b>	03	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks	
<b>Total Length (metres):</b>	10.3	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	10.3
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	410668		<b>UTM Northing:</b>	6046779
<b>Inspector Name:</b>	John Brett		<b>Year Superstructure Installed:</b>				
<b>Access:</b>	Structure found in 2019.						

### ABUTMENTS

<b>Bearings</b>	Poor	Left bank abutment has settled causine bearing and cap issues
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Poor	Lock blocks are in good condition however they have settled and large voids exist between blocks on leftg abutment
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Poor	Left bank abutment has settled causine bearing and cap issues
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Good	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	1	
<b>Delineator Missing Right (approaching structure)</b>	1	
<b>Fender Condition</b>	None	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1046 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-182	Structure Name:	G5-101	Road Name:	Jess	Inspection Date:	2023/09/03
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Posted Load Rating (Enter 0 if sign missing)	10	
Road Surface	Fair	

### DECK

#### Span 1

Curb Rail/Blocks/Posts	Poor	rotten / damage
Deck to Girder Bolts	Good	
Hardware	Poor	bent / rust
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Fair	
Running Planks	Fair	
Sub Deck	Fair	
Ties	Fair	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	2.0
	Estimated High Water Level Clearance:	1.5		

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

REPAIRS	#	Status	Priority	Estimate	Description
	5	Required	Medium	\$	Left abutment has settled. Bench marks noted at site.

### Corporate Bridge Register (CBR)

Disclaimer:  
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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1047 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-182	Structure Name:	G5-101	Road Name:	Jess	Inspection Date:	2023/09/03
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MONITORS	#	Description				
GENERAL	<b>Inspector's Comment:</b>	Left abutment has failed and structure is posted with a 10t load rating. Benchmarks were noted at site so appears as though plans are in place to replace the abutment or entire structure.				
	<b>PEng's Comment:</b>	Left side abutment appears to be failing affecting bearing of sill. Bridge is to be closed until abutments are repaired or replaced. Post bridge closed signs. BH				
GENERAL	<b>Estimated Load Restriction (year):</b>	2023	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	0	<b>Design Load GVW (tonnes):</b>		<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/06 11:44:04		

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 1048 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-500	<b>Structure Name:</b>	G5-500	<b>Road Name:</b>	INZANA	<b>Inspection Date:</b>	2000/09/07
<b>KM:</b>	2.90	<b>User km:</b>	2.90	<b>Crossing Name:</b>	Inzana Creek Tributary	<b>Next Inspection Date:</b>	2030/01/01
<b>Project File ID #:</b>	9345	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	1,000			<b>Outlet Cover (mm):</b>	1,000		
<b>Footing Type:</b>				<b>Gradient (%):</b>	1.5		
<b>Culvert Length (metres):</b>	21.0	<b>Opening Height (mm):</b>	1,400	<b>Opening Width (mm):</b>	1,400		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	410806	<b>UTM Northing:</b>	6091153		
<b>Inspector Name:</b>	Brent Case			<b>Year Superstructure Installed:</b>	1993		
<b>Access:</b>	Coordinates from LRM twin 1400, minor crossing						

### APPROACHES

<b>Bridge Ahead Signs Missing</b>	2	No Comment Available -Converter.RNI
<b>Delineator Missing Left</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Delineator Missing Right</b> (approaching structure)	2	No Comment Available -Converter.RNI
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0.0	No Comment Available -Converter.RNI
<b>Road Surface</b>	Good	No Comment Available -Converter.RNI

### CULVERT ELEMENT

<b>Coupled Connections</b>	Good	No Comment Available -Converter.RNI
<b>Coating</b>	Good	No Comment Available -Converter.RNI
<b>Fill</b>	Good	No Comment Available -Converter.RNI
<b>Floor</b>	Good	No Comment Available -Converter.RNI
<b>Inlet</b>	Good	No Comment Available -Converter.RNI
<b>Outlet</b>	Good	No Comment Available -Converter.RNI
<b>Riprap</b>	Good	No Comment Available -Converter.RNI
<b>Roof</b>	Good	No Comment Available -Converter.RNI
<b>Side Walls</b>	Good	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1049 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-500	<b>Structure Name:</b>	G5-500	<b>Road Name:</b>	INZANA	<b>Inspection Date:</b>	2000/09/07			
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>			<b>Estimated Present Water Level Width:</b>						
	<b>Estimated High Water Level Clearance:</b>			0.0						
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>					
<b>MONITORS</b>	<b>#</b>	<b>Description</b>								
	1	H.C. pipe has some separation at connection - Monitor.								
<b>GENERAL</b>	<b>Inspector's Comment:</b>									
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments								
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2043	<b>Estimated Replacement (year):</b>					
	<b>Current Inspection Load Rating:</b>		68	<b>Design Load GVW (tonnes):</b>		68	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>		No	<b>Report Status:</b>		Accepted By Raymond Getzlaf on 2012/04/10 00:00:00				

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1050 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-501	<b>Structure Name:</b>	G5-501	<b>Road Name:</b>	INZANA	<b>Inspection Date:</b>	2023/09/02	
<b>KM:</b>	3.20	<b>User km:</b>	3.20	<b>Crossing Name:</b>	Inzana Creek	<b>Next Inspection Date:</b>	2025/09/02	
<b>Project File ID #:</b>	9345	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	16.2	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	9
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	410756		<b>UTM Northing:</b>	6091473	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2011			
<b>Access:</b>	Germansen North Road about km 58 Left onto Inzana Main km 69 right							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Log/Timber Cribs</b>	Unrated	N/A
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Tie-backs</b>	Not Applicable	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1051 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-501	Structure Name:	G5-501	Road Name:	INZANA	Inspection Date:	2023/09/02
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Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Good	

### DECK

#### Span 1

Curb Rail/Blocks/Posts	Excellent	
Deck to Girder Bolts	Excellent	
Hardware	Fair	9 washers and nuts missing from guardrail bolts.
Hand Rails/Walkouts	Not Applicable	
Nails	Excellent	
Overall Deck Condition	Excellent	
Running Planks	Excellent	
Sub Deck	Excellent	
Ties	Excellent	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.3	Estimated Present Water Level Width:	3.0
	Estimated High Water Level Clearance:	1.8		

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

REPAIRS	#	Status	Priority	Estimate	Description
	16	Required	Medium	\$	guardrail bolts, 5 on upstream side and 4 on downstream side require a 3/4 inch timber washer and nut.

### Corporate Bridge Register (CBR)

Disclaimer:  
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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1052 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-501	Structure Name:	G5-501	Road Name:	INZANA	Inspection Date:	2023/09/02
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MONITORS	#	Description
GENERAL	<b>Inspector's Comment:</b>	Bridge is in very good shape overall. Noted during the inspection was that several long bolts on the guardrails are loose and missing washers and nuts. Inspection form should be updated to reflect the lock block abutments instead of the log crib abutments. Should remove repair items from old structure that has now been replaced.
	<b>PEng's Comment:</b>	Repairs completed to deck mods and guardrails. Log crib abutments removed and replaced with lock blocks. Bridge will remain at 5 tonnes until crossing assurance and certification package is received. BH
GENERAL	<b>Estimated Load Restriction (year):</b> 2025 <b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b> 5	<b>Design Load GVW (tonnes):</b> 91 <b>Design Vehicle Config.:</b> L100
	<b>Professional Inspection Required?</b> No	<b>Report Status:</b> Reviewed By Bruce Henderson on 2023/11/02 14:47:34

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1053 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-482	<b>Structure Name:</b>	G5-482	<b>Road Name:</b>	SUSTUT	<b>Inspection Date:</b>	2019/06/25	
<b>KM:</b>	2.00	<b>User km:</b>	0.20	<b>Crossing Name:</b>	Theresa Creek	<b>Next Inspection Date:</b>	2022/06/25	
<b>Project File ID #:</b>	9388	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Not Available			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Steel Pipe and Precast Pad		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Steel Pipe and Precast Pad		
<b>Total Length (metres):</b>	12.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	12
<b>UTM Zone:</b>	9		<b>UTM Easting:</b>	607239		<b>UTM Northing:</b>	6245025	
<b>Inspector Name:</b>	Warren Wilkinson			<b>Year Superstructure Installed:</b>	1996			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	2	
<b>Fender Condition</b>	Fair	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	None
<b>Road Surface</b>	Poor	wilderness

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1054 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-482	Structure Name:	G5-482	Road Name:	SUSTUT	Inspection Date:	2019/06/25
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	rot
Deck Joints	Fair	
Grout Pockets	Unrated	can not see do to dirt
Hardware	Fair	some bolts are loose from rot
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Fair	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.3	Estimated Present Water Level Width:	1.0
Estimated High Water Level Clearance:	1.0		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
1	Required	Low	\$ 0.00	Curbs need replacing

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1055 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-482	<b>Structure Name:</b>	G5-482	<b>Road Name:</b>	SUSTUT	<b>Inspection Date:</b>	2019/06/25
<b>GENERAL</b>	Inspector's Comment:						
<b>GENERAL</b>	PEng's Comment:						
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2036	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jason Olmsted on 2020/02/03 11:26:34			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 1056 of 1182

## Major Culvert Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-486	<b>Structure Name:</b>	G5-486	<b>Road Name:</b>	SUSTUT	<b>Inspection Date:</b>	2019/06/25
<b>KM:</b>	3.00	<b>User km:</b>	1.10	<b>Crossing Name:</b>	Boyd Creek	<b>Next Inspection Date:</b>	2022/06/25
<b>Project File ID #:</b>	9388	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,000		<b>Outlet Cover (mm):</b>	1,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	18.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	9	<b>UTM Easting:</b>	608251	<b>UTM Northing:</b>	6245082		
<b>Inspector Name:</b>	Warren Wilkinson		<b>Year Superstructure Installed:</b>	1996			
<b>Access:</b>	Minor culvert						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	2	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	2	
<b>Fender Condition</b>	None	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	None
<b>Road Surface</b>	Poor	wilderness

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Fair	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Poor	rusty
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Not Applicable	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1057 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-486	<b>Structure Name:</b>	G5-486	<b>Road Name:</b>	SUSTUT	<b>Inspection Date:</b>	2019/06/25
<b>Inlet</b>	Good						
<b>Outlet</b>	Poor		perched				
<b>Overall</b>	Fair						
<b>Riprap</b>	Fair						
<b>Roof</b>	Good						
<b>Side Walls</b>	Good						
<b>Trash Rack</b>	Not Applicable						
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	0.3
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	

<b>GENERAL</b>	<b>PEng's Comment:</b>	Culvert is being removed for Major Structure inspection list because under 2000mm. This culvert should be inspected during the road inspections.

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1058 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-486	<b>Structure Name:</b>	G5-486	<b>Road Name:</b>	SUSTUT	<b>Inspection Date:</b>	2019/06/25
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2036	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>		Reviewed By Jason Olmsted on 2020/02/07 12:45:35		

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1059 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-480	Structure Name:	G5-480	Road Name:	SUSTUT	Inspection Date:	2019/06/25
KM:	1.80	User km:	1.80	Crossing Name:	Minaret Creek	Next Inspection Date:	2022/06/25
Project File ID #:	9388	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete Composite			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials	
Superstructure:	Steel I-beam				Right	Pile -Permanent Materials	
Total Length (metres):	15.0	# Spans:	1	Span Width:			Span Length(s) (metres): 15
UTM Zone:	9		UTM Easting:	420114		UTM Northing:	6245352
Inspector Name:	Warren Wilinsons \ Scott			Year Superstructure Installed:	1996		
Access:							

### ABUTMENTS

Bearings	Fair	right downstream bearing pad being compressed
Bracing	Good	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	2	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	none	
Road Surface	Poor	wilderness leavel road

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1060 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-480	Structure Name:	G5-480	Road Name:	SUSTUT	Inspection Date:	2019/06/25
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### DECK

#### Span 1

Concrete Deck	Good	vegetation taking foot hold in dirt on deck
Curb Rail/Blocks/Posts	Poor	Some rot found, post and curbs, broken post
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

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

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
1	Required	High	\$ 0.00	Replace Curbs

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1061 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-480	<b>Structure Name:</b>	G5-480	<b>Road Name:</b>	SUSTUT	<b>Inspection Date:</b>	2019/06/25
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Wilkinson Training Atkinson  Limited or no traffic on this wilderness level Road, no access for vehicles to access this road system					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Placing 30 Tonne Load Limit until curbs are replaced					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2036	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	30	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jason Olmsted on 2020/01/24 12:01:14			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1062 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-481	<b>Structure Name:</b>	G5-481	<b>Road Name:</b>	SUSTUT	<b>Inspection Date:</b>	2019/06/25
<b>KM:</b>	4.00	<b>User km:</b>	2.20	<b>Crossing Name:</b>	Islam Creek	<b>Next Inspection Date:</b>	2022/06/25
<b>Project File ID #:</b>	9388	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Not Available		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Steel Pipe and Precast Pad	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Steel Pipe and Precast Pad	
<b>Total Length (metres):</b>	18.0	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	18
<b>UTM Zone:</b>	9		<b>UTM Easting:</b>	609188		<b>UTM Northing:</b>	6244735
<b>Inspector Name:</b>	Warren Wilkinson		<b>Year Superstructure Installed:</b>	1996			
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Good	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	2	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	None
<b>Road Surface</b>	Poor	Wilderness

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1063 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G5-481 Structure Name: G5-481 Road Name: SUSTUT Inspection Date: 2019/06/25

### DECK

#### Span 1

Concrete Deck	Fair	Dirt on deck and tress growing
Curb Rail/Blocks/Posts	Poor	broken and rotting
Deck Joints	Fair	Cracks
Grout Pockets	Good	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Fair	

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Good	

CHANNEL	Estimated Present Water Level Depth:	3.0	Estimated Present Water Level Width:	5.0
	Estimated High Water Level Clearance:	1.0		

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

REPAIRS	#	Status	Priority	Estimate	Description
	1	Required	Medium	\$ 0.00	Fix Broken Curb Section or Replace all the Curbs

MONITORS	#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1064 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-481	<b>Structure Name:</b>	G5-481	<b>Road Name:</b>	SUSTUT	<b>Inspection Date:</b>	2019/06/25	
<b>GENERAL</b>	Inspector's Comment:							
<b>GENERAL</b>	PEng's Comment:							
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2036	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>		No	<b>Report Status:</b>		Reviewed By Jason Olmsted on 2020/02/03 11:32:39		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1065 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-483	Structure Name:	G5-483	Road Name:	SUSTUT	Inspection Date:	2019/06/25
KM:	6.00	User km:	4.00	Crossing Name:	Chelsey Creek	Next Inspection Date:	2022/06/25
Project File ID #:	9388	Br.	01	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete Composite			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Steel Pipe and Precast Pad	
Superstructure:	Steel I-beam				Right	Steel Pipe and Precast Pad	
Total Length (metres):	18.0	# Spans:	1	Span Width:		Span Length(s) (metres):	18
UTM Zone:	9		UTM Easting:	610852	UTM Northing:	6244840	
Inspector Name:	Warren Wilkinson		Year Superstructure Installed:	1996			
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	2	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	2	
Delineator Missing Right (approaching structure)	2	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	0	None
Road Surface	Poor	wilderness

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1066 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G5-483 Structure Name: G5-483 Road Name: SUSTUT Inspection Date: 2019/06/25

### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	rotting
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Poor	loose from rot
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Good	

### CHANNEL

Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	3.0
Estimated High Water Level Clearance:	1.0		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
1	Required	Low	\$ 0.00	Replace curbs

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
- Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1067 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-483	<b>Structure Name:</b>	G5-483	<b>Road Name:</b>	SUSTUT	<b>Inspection Date:</b>	2019/06/25	
<b>GENERAL</b>	Inspector's Comment:							
<b>GENERAL</b>	PEng's Comment:							
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2036	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>		No	<b>Report Status:</b>		Reviewed By Jason Olmsted on 2020/02/03 11:21:13		

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1068 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-484	<b>Structure Name:</b>	G5-484	<b>Road Name:</b>	SUSTUT	<b>Inspection Date:</b>	2019/06/26
<b>KM:</b>	11.40	<b>User km:</b>	11.40	<b>Crossing Name:</b>	Laura Creek	<b>Next Inspection Date:</b>	2022/06/26
<b>Project File ID #:</b>	9388	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Round		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,000		<b>Outlet Cover (mm):</b>	1,000			
<b>Footing Type:</b>			<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	18.0	<b>Opening Height (mm):</b>	1,800	<b>Opening Width (mm):</b>	1,800		
<b>UTM Zone:</b>	9	<b>UTM Easting:</b>	617098	<b>UTM Northing:</b>	6243893		
<b>Inspector Name:</b>	Warren Wilkinson		<b>Year Superstructure Installed:</b>	1997			
<b>Access:</b>	Minor culvert						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	2	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	2	
<b>Fender Condition</b>	None	
<b>Road Surface</b>	Poor	Wilderness

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Fair	
<b>Embedment Materials</b>	Not Applicable	culvert is naturally filling in with material
<b>Fill</b>	Good	
<b>Floor</b>	Fair	some rust \ filling with sediment
<b>Footing</b>	Not Applicable	
<b>Head Wall</b>	Good	
<b>Inlet</b>	Good	
<b>Outlet</b>	Good	partly restricted channel

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1069 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-484	<b>Structure Name:</b>	G5-484	<b>Road Name:</b>	SUSTUT	<b>Inspection Date:</b>	2019/06/26
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<b>Overall</b>	Good	
<b>Riprap</b>	Good	limited
<b>Roof</b>	Good	
<b>Side Walls</b>	Good	
<b>Trash Rack</b>	Not Applicable	
<b>Wiers/Backwater Structures</b>	Not Applicable	
<b>Wing Wall</b>	Good	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.0	<b>Estimated Present Water Level Width:</b>	0.0
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	
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<b>GENERAL</b>	<b>PEng's Comment:</b>	
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2037	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jason Olmsted on 2020/01/14 15:14:45		

### Corporate Bridge Register (CBR)

- Disclaimer:
- Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1070 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-485	Structure Name:	G5-485	Road Name:	SUSTUT	Inspection Date:	2022/08/03	
KM:	12.50	User km:	12.50	Crossing Name:	Birdflat Creek	Next Inspection Date:	2025/08/03	
Project File ID #:	9388	Br.	01	Forest District:	Stuart Nechako Natural Resource District			
Deck Type:	Concrete Composite			Running Surface:	Not Available			
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials		
Superstructure:	Steel I-beam				Right	Pile -Permanent Materials		
Total Length (metres):	55.3	# Spans:	2	Span Width:			Span Length(s) (metres):	27.6, 27.6
UTM Zone:	9		UTM Easting:	617940		UTM Northing:	6243886	
Inspector Name:	Vince Sewell			Year Superstructure Installed:	1997			
Access:								

### ABUTMENTS

Bearings	Good	
Bracing	Good	
Ballast Wall	Good	
Corrosion Protection	Good	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	2	
Brushing Required	No	
Delineator Missing Left (approaching structure)	1	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Fair	
Posted Load Rating (Enter 0 if sign missing)	5	
Road Surface	Fair	

### Corporate Bridge Register (CBR)

- Disclaimer:
- Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 1071 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-485	Structure Name:	G5-485	Road Name:	SUSTUT	Inspection Date:	2022/08/03
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	rails have a lot of rot but still in place
Deck Joints	Fair	minor cracking in a couple
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Fair	

#### Span 2

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	rails have a lot of rot
Deck Joints	Fair	minor cracking
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Fair	

### PIERS

#### Pier 1

Bearings	Good	
Bracing or Sheathing	Good	
Caps	Good	
Cribs	Not Applicable	
Dolphins	Not Applicable	
Hardware	Good	
Overall	Good	
Piles or Posts	Good	
Riprap	Not Applicable	
Wall	Good	

### SUPERSTRUCTURE

#### Span 1

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1072 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-485	<b>Structure Name:</b>	G5-485	<b>Road Name:</b>	SUSTUT	<b>Inspection Date:</b>	2022/08/03
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<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	
<b>Span 2</b>		
<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.8	<b>Estimated Present Water Level Width:</b>	5.0
	<b>Estimated High Water Level Clearance:</b>	2.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	7	Required	Low		Repair joints and grout
8	Required	Medium		Replace all curbs and risers.	
9	Required	Low		Install new fenders both sides	
10	Required	Low		Install bridge ahead signs and delineator.	

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	
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### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1073 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-485	<b>Structure Name:</b>	G5-485	<b>Road Name:</b>	SUSTUT	<b>Inspection Date:</b>	2022/08/03
<b>GENERAL</b>	<b>PEng's Comment:</b>	Replace rotten guard rails and other repair items. BH					
	<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2037	<b>Estimated Replacement (year):</b>			
<b>GENERAL</b>	<b>Current Inspection Load Rating:</b>	5	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>		
<b>GENERAL</b>	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/30 11:31:39			

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1074 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-487	<b>Structure Name:</b>	G5-487	<b>Road Name:</b>	SUSTUT	<b>Inspection Date:</b>	2019/06/25
<b>KM:</b>	19.00	<b>User km:</b>	19.00	<b>Crossing Name:</b>	February Creek	<b>Next Inspection Date:</b>	2022/06/25
<b>Project File ID #:</b>	9388	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Not Available		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Steel Pipe and Precast Pad	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Steel Pipe and Precast Pad	
<b>Total Length (metres):</b>	18.7	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	18.7
<b>UTM Zone:</b>	9		<b>UTM Easting:</b>	622449		<b>UTM Northing:</b>	6243719
<b>Inspector Name:</b>	Warren Wilkinson		<b>Year Superstructure Installed:</b>	1999			
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Good	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Good	sill
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	pile
<b>Riprap</b>	Good	some signs of scower
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	corner
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Fair	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	None
<b>Road Surface</b>	Poor	wilderness

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1075 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-487	Structure Name:	G5-487	Road Name:	SUSTUT	Inspection Date:	2019/06/25
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	Rot left downstream missing bolt
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Fair	

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Good	

### CHANNEL

Estimated Present Water Level Depth:	3.0	Estimated Present Water Level Width:	4.0
Estimated High Water Level Clearance:	1.0		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
1	Required	Medium	\$ 0.00	Repair Curb or replace all curbs

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1076 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-487	<b>Structure Name:</b>	G5-487	<b>Road Name:</b>	SUSTUT	<b>Inspection Date:</b>	2019/06/25	
<b>GENERAL</b>	Inspector's Comment:							
<b>GENERAL</b>	PEng's Comment:							
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2049	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		91	<b>Design Load GVW (tonnes):</b>		91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jason Olmsted on 2020/02/03 11:16:37				

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1077 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-491	<b>Structure Name:</b>	G5-491	<b>Road Name:</b>	SUSTUT	<b>Inspection Date:</b>	2022/08/03	
<b>KM:</b>	19.40	<b>User km:</b>	19.40	<b>Crossing Name:</b>	Unnamed Creek	<b>Next Inspection Date:</b>	2025/08/03	
<b>Project File ID #:</b>	9388	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Concrete			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Steel Pipe and Precast Pad		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Steel Pipe and Precast Pad		
<b>Total Length (metres):</b>	17.9	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	17.9
<b>UTM Zone:</b>	9		<b>UTM Easting:</b>	622762		<b>UTM Northing:</b>	6243586	
<b>Inspector Name:</b>	Vince Sewell			<b>Year Superstructure Installed:</b>	2001			
<b>Access:</b>	Fly-in only.							

### ABUTMENTS

<b>Bearings</b>	Unrated	Photos only
<b>Bracing</b>	Unrated	Photos only
<b>Ballast Wall</b>	Unrated	Photos only
<b>Corrosion Protection</b>	Unrated	Photos only
<b>Caps or Sills</b>	Unrated	Photos only
<b>Fill</b>	Unrated	Photos only
<b>Hardware</b>	Unrated	Photos only
<b>Piles or Posts</b>	Unrated	Photos only
<b>Riprap</b>	Unrated	Photos only
<b>Wing Wall</b>	Unrated	Photos only

### APPROACHES

<b>Alignment</b>	Unrated	Photos only
<b>Bridge Ahead Signs Missing</b>	2	Photos only
<b>Brushing Required</b>	Yes	Photos only
<b>Delineator Missing Left (approaching structure)</b>	2	Photos only
<b>Delineator Missing Right (approaching structure)</b>	2	Photos only
<b>Fender Condition</b>	Unrated	Photos only
<b>Posted Load Rating (Enter 0 if sign missing)</b>	5	Photos only
<b>Road Surface</b>	Unrated	Photos only

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1078 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G5-491 Structure Name: G5-491 Road Name: SUSTUT Inspection Date: 2022/08/03

### DECK

#### Span 1

Concrete Deck	Unrated	Photos only
Curb Rail/Blocks/Posts	Unrated	Photos only
Deck Joints	Unrated	Photos only
Grout Pockets	Unrated	Photos only
Hardware	Unrated	Photos only
Hand Rails/Walkouts	Not Applicable	Photos only
Overall Deck Condition	Unrated	Photos only
Running Surface	Unrated	Photos only

### SUPERSTRUCTURE

#### Span 1

Bracing	Unrated	Photos only
Diaphragms	Unrated	Photos only
Girders	Unrated	Photos only
Hardware	Unrated	Photos only
Under Trussing	Unrated	Photos only

CHANNEL	Estimated Present Water Level Depth:	0.0	Estimated Present Water Level Width:	0.0
	Estimated High Water Level Clearance:	0.0		

HAZARDS	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:	photos only								

REPAIRS	#	Status	Priority	Estimate	Description

MONITORS	#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
- Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1079 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-491	<b>Structure Name:</b>	G5-491	<b>Road Name:</b>	SUSTUT	<b>Inspection Date:</b>	2022/08/03
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Photo only inspection walk around overview no inspection report done time constraint due to helicopter allocation					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Bridge downrated to 5 tonnes due to inaccessibility. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2041	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	5	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/30 13:37:28			

### Corporate Bridge Register (CBR)

Disclaimer:  
 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.  
 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1080 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-492	<b>Structure Name:</b>	G5-492	<b>Road Name:</b>	SUSTUT	<b>Inspection Date:</b>	2022/08/03	
<b>KM:</b>	20.80	<b>User km:</b>	20.80	<b>Crossing Name:</b>	Unnamed Creek	<b>Next Inspection Date:</b>	2025/08/03	
<b>Project File ID #:</b>	9388	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Concrete			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Steel Pipe and Precast Pad		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Steel Pipe and Precast Pad		
<b>Total Length (metres):</b>	15.6	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	15.6
<b>UTM Zone:</b>	9		<b>UTM Easting:</b>	623983		<b>UTM Northing:</b>	6242860	
<b>Inspector Name:</b>	Vince Sewell			<b>Year Superstructure Installed:</b>	2001			
<b>Access:</b>	Fly-in only.							

### ABUTMENTS

<b>Bearings</b>	Poor	steep lean on right side
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Poor	steep lean on right side
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Fair	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	2	
<b>Fender Condition</b>	Fair	
<b>Road Surface</b>	Poor	no traffic on right side

### DECK

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1081 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-492	Structure Name:	G5-492	Road Name:	SUSTUT	Inspection Date:	2022/08/03
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Span 1		
Concrete Deck	Fair	
Curb Rail/Blocks/Posts	Fair	
Deck Joints	Fair	covered in moss
Grout Pockets	Fair	covered in moss
Hardware	Fair	
Hand Rails/Walkouts	Fair	
Overall Deck Condition	Fair	
Running Surface	Fair	

SUPERSTRUCTURE		
Span 1		
Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Not Applicable	
Under Trussing	Not Applicable	

CHANNEL	Estimated Present Water Level Depth:	0.0	Estimated Present Water Level Width:	0.0
	Estimated High Water Level Clearance:	0.0		

HAZARDS	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:	not rated								

REPAIRS	#	Status	Priority	Estimate	Description
	8	Required	Medium		Replace or straighten bearing and posts.
	9	Required	Low		Install bridge ahead, load limit, and delineators.
	10	Required	High		Replace all rotten guard rails blocks and risers.

MONITORS	#	Description

### Corporate Bridge Register (CBR)

Disclaimer:  
 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.  
 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1082 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-492	<b>Structure Name:</b>	G5-492	<b>Road Name:</b>	SUSTUT	<b>Inspection Date:</b>	2022/08/03
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	Cap is leaning causing bearing to twist. Bridge stays at 5 tonnes. Major structural repairs are required to right side posts bearings and cap before industrial use. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2041	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	5	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/30 14:02:13			

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1083 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-488	<b>Structure Name:</b>	G5-488	<b>Road Name:</b>	SUSTUT NORTH	<b>Inspection Date:</b>	2022/08/03
<b>KM:</b>	0.70	<b>User km:</b>	0.70	<b>Crossing Name:</b>	Sustut River	<b>Next Inspection Date:</b>	2025/08/03
<b>Project File ID #:</b>	9388	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Concrete Composite			<b>Running Surface:</b>	Not Available		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Sill - Permanent Materials	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Sill - Permanent Materials	
<b>Total Length (metres):</b>	173.	<b># Spans:</b>	3	<b>Span Width:</b>			<b>Span Length(s) (metres):</b> 45.1, 65, 63.4
<b>UTM Zone:</b>	9		<b>UTM Easting:</b>	431790		<b>UTM Northing:</b>	6242025
<b>Inspector Name:</b>	Vince Sewell			<b>Year Superstructure Installed:</b>	2003		
<b>Access:</b>							

### ABUTMENTS

<b>Bearings</b>	Unrated	Photos only
<b>Bracing</b>	Unrated	Photos only
<b>Ballast Wall</b>	Unrated	Photos only
<b>Corrosion Protection</b>	Unrated	Photos only
<b>Caps or Sills</b>	Unrated	Photos only
<b>Fill</b>	Unrated	Photos only
<b>Hardware</b>	Unrated	Photos only
<b>Piles or Posts</b>	Unrated	Photos only
<b>Riprap</b>	Unrated	Photos only
<b>Wing Wall</b>	Unrated	Photos only

### APPROACHES

<b>Alignment</b>	Unrated	Photos only
<b>Bridge Ahead Signs Missing</b>	0	Photos only
<b>Brushing Required</b>	No	Photos only
<b>Delineator Missing Left (approaching structure)</b>	0	Photos only
<b>Delineator Missing Right (approaching structure)</b>	0	Photos only
<b>Fender Condition</b>	Unrated	Photos only
<b>Posted Load Rating (Enter 0 if sign missing)</b>	5	Photos only
<b>Road Surface</b>	Unrated	Photos only

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1084 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-488	Structure Name:	G5-488	Road Name:	SUSTUT NORTH	Inspection Date:	2022/08/03
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### DECK

#### Span 1

Concrete Deck	Unrated	Photos only
Curb Rail/Blocks/Posts	Unrated	Photos only
Deck Joints	Unrated	Photos only
Grout Pockets	Unrated	Photos only
Hardware	Unrated	Photos only
Hand Rails/Walkouts	Unrated	Photos only
Overall Deck Condition	Unrated	Photos only

#### Span 2

Concrete Deck	Unrated	Photos only
Curb Rail/Blocks/Posts	Unrated	Photos only
Deck Joints	Unrated	Photos only
Grout Pockets	Unrated	Photos only
Hardware	Unrated	Photos only
Hand Rails/Walkouts	Unrated	Photos only
Overall Deck Condition	Unrated	Photos only

#### Span 3

Concrete Deck	Unrated	Photos only
Curb Rail/Blocks/Posts	Unrated	Photos only
Deck Joints	Unrated	Photos only
Grout Pockets	Unrated	Photos only
Hardware	Unrated	Photos only
Hand Rails/Walkouts	Unrated	Photos only
Overall Deck Condition	Unrated	Photos only

### PIERS

#### Pier 1

Bearings	Unrated	Photos only
Bracing or Sheathing	Unrated	Photos only
Caps	Unrated	Photos only
Cribs	Unrated	Photos only

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 1085 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-488	Structure Name:	G5-488	Road Name:	SUSTUT NORTH	Inspection Date:	2022/08/03
Dolphins	Unrated	Photos only					
Hardware	Unrated	Photos only					
Overall	Unrated	Photos only					
Piles or Posts	Unrated	Photos only					
Riprap	Unrated	Photos only					
Wall	Unrated	Photos only					
<b>Pier 2</b>							
Bearings	Unrated	Photos only					
Bracing or Sheathing	Unrated	Photos only					
Caps	Unrated	Photos only					
Cribs	Unrated	Photos only					
Dolphins	Unrated	Photos only					
Hardware	Unrated	Photos only					
Overall	Unrated	Photos only					
Piles or Posts	Unrated	Photos only					
Riprap	Unrated	Photos only					
Wall	Unrated	Photos only					
<b>SUPERSTRUCTURE</b>							
<b>Span 1</b>							
Bracing	Unrated	Photos only					
Diaphragms	Unrated	Photos only					
Girders	Unrated	Photos only					
Hardware	Unrated	Photos only					
Under Trussing	Unrated	Photos only					
<b>Span 2</b>							
Bracing	Unrated	Photos only					
Diaphragms	Unrated	Photos only					
Girders	Unrated	Photos only					
Hardware	Unrated	Photos only					
Under Trussing	Unrated	Photos only					
<b>Span 3</b>							

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1086 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-488	<b>Structure Name:</b>	G5-488	<b>Road Name:</b>	SUSTUT NORTH	<b>Inspection Date:</b>	2022/08/03
<b>Bracing</b>	Unrated	Photos only					
<b>Diaphragms</b>	Unrated	Photos only					
<b>Girders</b>	Unrated	Photos only					
<b>Hardware</b>	Unrated	Photos only					
<b>Under Trussing</b>	Unrated	Photos only					

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	3.0	<b>Estimated Present Water Level Width:</b>	20.0
	<b>Estimated High Water Level Clearance:</b>	15.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Photo only inspection walk around overview no inspection report done time constraint due to helicopter allocation
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Repair deck joints. Minor cracking. Downrated to 5 tonnes due to inaccessibility BH
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2053	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	5	<b>Design Load GVW (tonnes):</b>	91
	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/30 13:02:53

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1087 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-489	Structure Name:	G5-489	Road Name:	SUSTUT	Inspection Date:	2016/09/12
KM:	2.50	User km:		Crossing Name:	unknown	Next Inspection Date:	2022/08/01
Project File ID #:	9388	Br.	03	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated - Panels			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel I-beam				Right	Concrete Lock Blocks	
Total Length (metres):	7.5	# Spans:	1	Span Width:		Span Length(s) (metres):	1
UTM Zone:	9		UTM Easting:	619233		UTM Northing:	6242008
Inspector Name:	Vince Sewell			Year Superstructure Installed:	2009		
Access:							

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Poor	Untreated logs, soft with lots of fungus
Concrete Lock Blocks	Fair	High chain middle 2 blocks are low
Corrosion Protection	Good	
Caps or Sills	Good	
Fill	Good	
Hardware	Fair	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	2	
Brushing Required	Yes	prior to industrial use
Delineator Missing Left (approaching structure)	1	
Delineator Missing Right (approaching structure)	1	
Fender Condition	Fair	
Road Surface	Fair	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1088 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-489	Structure Name:	G5-489	Road Name:	SUSTUT	Inspection Date:	2016/09/12
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Fair	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Fair	
Overall Deck Condition	Fair	
Running Planks	Poor	Soft with fungus, replace prior to industrial use
Ties	Fair	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.5	Estimated Present Water Level Width:	1.5
Estimated High Water Level Clearance:	1.2		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
1	Required	Medium	\$ 1.00	Replace deck and ballast walls prior to industrial use. MD

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1089 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-489	<b>Structure Name:</b>	G5-489	<b>Road Name:</b>	SUSTUT	<b>Inspection Date:</b>	2016/09/12
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Deck and ballast walls rotting, high chain lock blocks settling. Recommend assigning low load rating until structure loading is proven and repairs completed. MD					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Need to confirm load capacity of structure.					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2020	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	30	<b>Design Load GVW (tonnes):</b>			<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jason Olmsted on 2017/05/02 15:29:32			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1090 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-493	<b>Structure Name:</b>	G5-493	<b>Road Name:</b>	SUSTUT SOUTH	<b>Inspection Date:</b>	2019/06/26	
<b>KM:</b>	0.40	<b>User km:</b>	0.40	<b>Crossing Name:</b>	Unnamed Creek	<b>Next Inspection Date:</b>	2022/06/26	
<b>Project File ID #:</b>	9388	<b>Br.</b>	04	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials		
<b>Total Length (metres):</b>	27.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	17.9
<b>UTM Zone:</b>	9		<b>UTM Easting:</b>	616751		<b>UTM Northing:</b>	6242674	
<b>Inspector Name:</b>	Warren Wilkinson			<b>Year Superstructure Installed:</b>	2003			
<b>Access:</b>	Fly-in only.							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Good	
<b>Ballast Wall</b>	Fair	some movement on right abutment
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	caps
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	piles
<b>Riprap</b>	Fair	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	1	
<b>Delineator Missing Right (approaching structure)</b>	1	
<b>Fender Condition</b>	Fair	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Fair	wilderness

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1091 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b> G5-493	<b>Structure Name:</b> G5-493	<b>Road Name:</b> SUSTUT SOUTH	<b>Inspection Date:</b> 2019/06/26
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### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Poor	Rotten, replace
<b>Deck to Girder Bolts</b>	Poor	most clips missing
<b>Hardware</b>	Fair	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Poor	due to deck rot
<b>Overall Deck Condition</b>	Poor	rotting components
<b>Running Planks</b>	Poor	Rotten, replace
<b>Sub Deck</b>	Poor	Rotten, replace
<b>Ties</b>	Poor	Rotten, replace

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.0	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	3.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	1	Required	High	\$	replace all deck components, deck modules

<b>MONITORS</b>	#	Description
	1	right abutment \ ballast wall

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1092 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-493	<b>Structure Name:</b>	G5-493	<b>Road Name:</b>	SUSTUT SOUTH	<b>Inspection Date:</b>	2019/06/26
<b>GENERAL</b>	<b>Inspector's Comment:</b>	down rate to 5 ton untill deck replacement					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Bridge to be posted at 5 tonnes until deck is replaced.					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2043		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	5	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jason Olmsted on 2020/03/05 11:37:52			

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1093 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-427	<b>Structure Name:</b>	G5-427	<b>Road Name:</b>	ROTTAKER	<b>Inspection Date:</b>	2022/11/11	
<b>KM:</b>	1.40	<b>User km:</b>	1.40	<b>Crossing Name:</b>	Rottacker Creek	<b>Next Inspection Date:</b>	2025/11/11	
<b>Project File ID #:</b>	9487	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete Removable			<b>Running Surface:</b>	Not Available			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials		
<b>Total Length (metres):</b>	25.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	25
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	358885		<b>UTM Northing:</b>	6130631	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	1994			
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Fair	Large pieces with voids
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	2	
<b>Fender Condition</b>	Fair	wooden, some rot
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1094 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-427	Structure Name:	G5-427	Road Name:	ROTTAKER	Inspection Date:	2022/11/11
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	brackets ok, rest rotten or damaged, replace risers and rails
Deck to Girder Bolts	Not Applicable	
Deck Joints	Good	paraseal gone between ballast walls and A - Panels
Grout Pockets	Fair	one found to be wearing from the top - see pic
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	some minor deformation - monitor item
Hardware	Good	
Under Trussing	Not Applicable	

CHANNEL	Estimated Present Water Level Depth:	0.3	Estimated Present Water Level Width:	6.0
	Estimated High Water Level Clearance:	2.5		

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

### REPAIRS

#	Status	Priority	Estimate	Description
4	Required	Low		Install paraseal at ends of bridge on both approaches
5	Required	Low		Upgrade fenders to concrete
6	Required	High	\$ 0.00	Replace guardrails. Brackets are treated and good. Replace riser blocks and rails only

### Corporate Bridge Register (CBR)

- Disclaimer:
- Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1095 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-427	<b>Structure Name:</b>	G5-427	<b>Road Name:</b>	ROTTAKER	<b>Inspection Date:</b>	2022/11/11
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MONITORS	#	Description
GENERAL	<b>Inspector's Comment:</b>	This bridge would benefit from an approach barrier upgrade. Current wooden barriers are partially rotten. Could replace with concrete fenders. The girder monitor appears to be ok, PEng could assess and determine parameters of monitoring item and whether or not monitor item is required. Could have been damage from launch or initial handling during installation. Guardrails are rotten and soft for the most part. Should be replaced. Brackets are treated and are ok. Will just require riser blocks and rails. The riprap on this structure is poorly graded and consists mostly of larger riprap pieces with several voids. No items noted however related to this issue during the inspection. One deck grout pocket was also found to be wearing from the top. See pics and monitor during future inspections.
	<b>PEng's Comment:</b>	Replace guardrails. Could be downrated if condition of guardrails worsens. BH
GENERAL	<b>Estimated Load Restriction (year):</b> 2034	
	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b> 91	<b>Design Load GVW (tonnes):</b> 91
<b>Design Vehicle Config.:</b> L100		
<b>Professional Inspection Required?</b> No	<b>Report Status:</b> Reviewed By Bruce Henderson on 2022/12/12 09:22:32	

### Corporate Bridge Register (CBR)

Disclaimer:  
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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1096 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-506	Structure Name:	G5-506	Road Name:	EAGLE	Inspection Date:	2023/09/04
KM:	16.50	User km:	16.50	Crossing Name:	Eagle Creek	Next Inspection Date:	2026/09/04
Project File ID #:	9532	Br.	02	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Pile -Permanent Materials	
Superstructure:	Steel I-beam				Right	Pile -Permanent Materials	
Total Length (metres):	21.0	# Spans:	1	Span Width:			Span Length(s) (metres): 21
UTM Zone:	10		UTM Easting:	393993		UTM Northing:	6093573
Inspector Name:	John Brett			Year Superstructure Installed:	2000		
Access:	This structure was reported as deactivated, but is still installed at this site. 516.5 Km Inzana Lake west FSR.						

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Good	
Hardware	Good	
Piles or Posts	Good	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	1	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Fair	Some scuffed, should realign right approach upstream fenders.
Posted Load Rating (Enter 0 if sign missing)	0	
Road Surface	Fair	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1097 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-506	Structure Name:	G5-506	Road Name:	EAGLE	Inspection Date:	2023/09/04
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Fair	
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	2.0
Estimated High Water Level Clearance:	3.5		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
2	Required	Low	\$ 500.00	Replace broken riser block - 1 piece of 10 x 10 x 24 inch timber. also require 2 - 3/4 inch by 34 inch dome head bolts, with washer and nut...
3	Required	Low	\$ 250.00	install one left delineator

### MONITORS

#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1098 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-506	<b>Structure Name:</b>	G5-506	<b>Road Name:</b>	EAGLE	<b>Inspection Date:</b>	2023/09/04
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall. One corner of approach fenders should be re - set. guardrails in fair condition and will likely require replacement in 3 - 5 yrs.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Looks ok. Replace one riser. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2050	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/01 09:45:54			

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1099 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-505	<b>Structure Name:</b>	G5-505	<b>Road Name:</b>	EAGLE	<b>Inspection Date:</b>	2021/07/21
<b>KM:</b>	9.10	<b>User km:</b>	20.00	<b>Crossing Name:</b>	Un-named Creek	<b>Next Inspection Date:</b>	2024/07/21
<b>Project File ID #:</b>	9532	<b>Br.</b>	02	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Concrete			<b>Running Surface:</b>	Concrete		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials	
<b>Total Length (metres):</b>	15.0	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	15
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	396670		<b>UTM Northing:</b>	6092255
<b>Inspector Name:</b>	Warren Wilkinson			<b>Year Superstructure Installed:</b>	1996		
<b>Access:</b>	Deactivation planned for 2020, did not occur. GZ						

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Good	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	Post
<b>Riprap</b>	Fair	Loose not locked in together well
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	1	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	1	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	None	Rotted Away
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Poor	Wilderness level

### Corporate Bridge Register (CBR)

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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1100 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G5-505 Structure Name: G5-505 Road Name: EAGLE Inspection Date: 2021/07/21

### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Fair	some rot, overall solid
Deck Joints	Good	gaps at ballast walls
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Unrated	Remove from this schedule only concrete deck

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Good	

CHANNEL	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	1.5
	Estimated High Water Level Clearance:	0.5		

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

### REPAIRS

#	Status	Priority	Estimate	Description
10	Required	High		Replace missing delineator
11	Required	High		Install approach fenders
12	Required	High		Add bridge ahead signage
13	Required	Medium		Brush approaches

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1101 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-505	Structure Name:	G5-505	Road Name:	EAGLE	Inspection Date:	2021/07/21
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:					
	PEng's Comment:	Curbs and risers are currently functional, but further deterioration will reduce load rating.				
<b>GENERAL</b>	Estimated Load Restriction (year):	2036	Estimated Replacement (year):			
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Jordan Smith on 2022/02/10 15:15:52		

**Corporate Bridge Register (CBR)**

Disclaimer:  
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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1102 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-058	<b>Structure Name:</b>	G5-058	<b>Road Name:</b>	DUST	<b>Inspection Date:</b>	2023/11/09
<b>KM:</b>	2.90	<b>User km:</b>	3.10	<b>Crossing Name:</b>	Dust Creek Tributary	<b>Next Inspection Date:</b>	2026/11/09
<b>Project File ID #:</b>	9534	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Arch		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	1,200		<b>Outlet Cover (mm):</b>	1,600			
<b>Footing Type:</b>	Cast in Place Concrete Footing		<b>Gradient (%):</b>	2.2			
<b>Culvert Length (metres):</b>	20.1	<b>Opening Height (mm):</b>	2,530	<b>Opening Width (mm):</b>	6,100		
<b>UTM Zone:</b>	9	<b>UTM Easting:</b>	686963	<b>UTM Northing:</b>	6139606		
<b>Inspector Name:</b>	Gary Zsombor		<b>Year Superstructure Installed:</b>	1999			
<b>Access:</b>	Gate at 2 km.						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Good	
<b>Coupled Connections</b>	Not Applicable	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Good	
<b>Floor</b>	Not Applicable	
<b>Footing</b>	Fair	Footings installed above the streambed.
<b>Head Wall</b>	Not Applicable	
<b>Inlet</b>	Good	
<b>Outlet</b>	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1103 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-058	<b>Structure Name:</b>	G5-058	<b>Road Name:</b>	DUST	<b>Inspection Date:</b>	2023/11/09
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<b>Overall</b>	Good	
<b>Riprap</b>	Fair	Some missing near outlet. Should not be a concern.
<b>Roof</b>	Good	
<b>Side Walls</b>	Good	
<b>Trash Rack</b>	Not Applicable	
<b>Wiers/Backwater Structures</b>	Not Applicable	
<b>Wing Wall</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	1.5
	<b>Estimated High Water Level Clearance:</b>	2.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>	Strutuce grossly oversized for flow.								

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	<b>Inspector's Comment:</b>	This is not a 3000mm CMP. It is a 6.1m x 2.5m Arch on concrete footings. Grossly oversized for stream size.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	OK BH
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2049	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/20 11:40:20		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1104 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-029	<b>Structure Name:</b>	G1-937	<b>Road Name:</b>	DAVIS	<b>Inspection Date:</b>	2022/06/11	
<b>KM:</b>	6.52	<b>User km:</b>	6.52	<b>Crossing Name:</b>	Unknown	<b>Next Inspection Date:</b>	2025/06/11	
<b>Project File ID #:</b>	9749	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Timber - Treated - Panels			<b>Running Surface:</b>	Timber Planks			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Sill -Temporary Materials		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Sill -Temporary Materials		
<b>Total Length (metres):</b>	15.2	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	15
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	396205		<b>UTM Northing:</b>	6006918	
<b>Inspector Name:</b>	Warren Wilkinson			<b>Year Superstructure Installed:</b>				
<b>Access:</b>								

### ABUTMENTS

<b>Bearings</b>	Unrated	Burnt in 2018 wildfire
<b>Bracing</b>	Unrated	Burnt in 2018 wildfire
<b>Ballast Wall</b>	Unrated	Burnt in 2018 wildfire
<b>Corrosion Protection</b>	Unrated	Burnt in 2018 wildfire
<b>Caps or Sills</b>	Unrated	Burnt in 2018 wildfire
<b>Fill</b>	Unrated	Burnt in 2018 wildfire
<b>Hardware</b>	Unrated	Burnt in 2018 wildfire
<b>Piles or Posts</b>	Unrated	Burnt in 2018 wildfire
<b>Riprap</b>	Not Applicable	Burnt in 2018 wildfire
<b>Wing Wall</b>	Unrated	Burnt in 2018 wildfire

### APPROACHES

<b>Alignment</b>	Unrated	Burnt in 2018 wildfire
<b>Bridge Ahead Signs Missing</b>	0	Burnt in 2018 wildfire
<b>Brushing Required</b>	No	Burnt in 2018 wildfire
<b>Delineator Missing Left (approaching structure)</b>	2	Burnt in 2018 wildfire
<b>Delineator Missing Right (approaching structure)</b>	2	Burnt in 2018 wildfire
<b>Fender Condition</b>	Unrated	Burnt in 2018 wildfire
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	Burnt in 2018 wildfire
<b>Road Surface</b>	Poor	Burnt in 2018 wildfire

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1105 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b> G4-029	<b>Structure Name:</b> G1-937	<b>Road Name:</b> DAVIS	<b>Inspection Date:</b> 2022/06/11
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### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Unrated	Burnt in 2018 wildfire
<b>Deck to Girder Bolts</b>	Unrated	Burnt in 2018 wildfire
<b>Hardware</b>	Unrated	Burnt in 2018 wildfire
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Unrated	Burnt in 2018 wildfire
<b>Overall Deck Condition</b>	Unrated	Burnt in 2018 wildfire
<b>Running Planks</b>	Unrated	Burnt in 2018 wildfire
<b>Sub Deck</b>	Unrated	Burnt in 2018 wildfire
<b>Ties</b>	Unrated	Burnt in 2018 wildfire

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Poor	Burnt in 2018 wildfire
<b>Diaphragms</b>	Poor	Burnt in 2018 wildfire
<b>Girders</b>	Poor	Burnt in 2018 wildfire
<b>Hardware</b>	Poor	Burnt in 2018 wildfire
<b>Under Trussing</b>	Poor	Burnt in 2018 wildfire

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.0	<b>Estimated Present Water Level Width:</b>	0.0
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1106 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-029	<b>Structure Name:</b>	G1-937	<b>Road Name:</b>	DAVIS	<b>Inspection Date:</b>	2022/06/11
<b>GENERAL</b>	<b>Inspector's Comment:</b>	bridge burnt 2018 Shovel Lake Wildfire, access to bridge has natural deactivation (culvert washout) BCTS have no plans to reactivate road or to fix\replace bridge Set to do not inspect CBR note for structure G1-937: steel and structure must be tested prior to being used in future					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Deactivation scheduled for 2024. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2030	<b>Estimated Replacement (year):</b>		
	<b>Current Inspection Load Rating:</b>	0	<b>Design Load GVW (tonnes):</b>			<b>Design Vehicle Config.:</b>	L75
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/12/01 09:20:19			

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1107 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-495	<b>Structure Name:</b>	G5-495	<b>Road Name:</b>	A50763	<b>Inspection Date:</b>	2005/10/02
<b>KM:</b>	1.10	<b>User km:</b>	1.10	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2007/10/02
<b>Project File ID #:</b>	9930	<b>Br.</b>	01	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Precast	
<b>Superstructure:</b>					<b>Right</b>	Concrete Precast	
<b>Total Length (metres):</b>	12.0	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	12
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	357427		<b>UTM Northing:</b>	6147022
<b>Inspector Name:</b>	Dave Burgess			<b>Year Superstructure Installed:</b>	2000		
<b>Access:</b>	Tchentlo FSR km 8 Left onto Rottacker FSR km 10.8 Left onto						

### ABUTMENTS

<b>Bracing</b>	Good	No Comment Available -Converter.RNI
<b>Ballast Wall</b>	Good	No Comment Available -Converter.RNI
<b>Caps or Sills</b>	Good	No Comment Available -Converter.RNI
<b>Fill</b>	Good	No Comment Available -Converter.RNI
<b>Hardware</b>	Good	No Comment Available -Converter.RNI
<b>Riprap</b>	Poor	No Comment Available -Converter.RNI

### APPROACHES

<b>Bridge Ahead Signs Missing</b>	2	No Comment Available -Converter.RNI
<b>Delineator Missing Left (approaching structure)</b>	1	No Comment Available -Converter.RNI
<b>Delineator Missing Right (approaching structure)</b>	1	No Comment Available -Converter.RNI
<b>Fender Condition</b>	Good	No Comment Available -Converter.RNI
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0.0	No Comment Available -Converter.RNI
<b>Road Surface</b>	Poor	No Comment Available -Converter.RNI

### DECK

#### Span 1

<b>Deck to Girder Bolts</b>	Excellent	No Comment Available -Converter.RNI
<b>Hardware</b>	Good	No Comment Available -Converter.RNI
<b>Running Planks</b>	Excellent	No Comment Available -Converter.RNI
<b>Sub Deck</b>	Excellent	No Comment Available -Converter.RNI

### Corporate Bridge Register (CBR)

Disclaimer:  
 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.  
 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1108 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b> G5-495	<b>Structure Name:</b> G5-495	<b>Road Name:</b> A50763	<b>Inspection Date:</b> 2005/10/02
<b>Ties</b>	Excellent	No Comment Available -Converter.RNI	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>		<b>Estimated Present Water Level Width:</b>	
	<b>Estimated High Water Level Clearance:</b>	2.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	Yes	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	1	Suggested	High	\$ 0.00	Span: 0.0. Delineator maintenance. Add Delineators, 1 left and 1 right..
2	Suggested	High	\$ 0.00	Span: 0.0. Bridge Ahead Signs. Add 2 Bridge Ahead Signs.	

<b>MONITORS</b>	#	Description
	1	Monitor LC abutment for scour as rip rap is light. (OK Chinch03)  (No maintenance until hauling commences) No further inspections until notified by BCTS that structure being used.

<b>GENERAL</b>	<b>Inspector's Comment:</b>	nullPerm_Span: Never hauled on yet.. Perm_Sup: 15) Visual not torqued.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	68	<b>Design Load GVW (tonnes):</b>	68
	<b>Design Vehicle Config.:</b>			
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By Raymond Getzlaf on 2012/04/12 00:00:00

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1109 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	R5-183	<b>Structure Name:</b>	R5-183	<b>Road Name:</b>	HAUTETE	<b>Inspection Date:</b>	2022/07/15
<b>KM:</b>	17.00	<b>User km:</b>	47.00	<b>Crossing Name:</b>	Unknown	<b>Next Inspection Date:</b>	2025/07/15
<b>Project File ID #:</b>	R03457	<b>Br.</b>	C	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated - Panels			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Pile -Permanent Materials	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Pile -Permanent Materials	
<b>Total Length (metres):</b>	18.3	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b> 18.3
<b>UTM Zone:</b>	9		<b>UTM Easting:</b>	686458		<b>UTM Northing:</b>	6120988
<b>Inspector Name:</b>	Chris Grant			<b>Year Superstructure Installed:</b>	2001		
<b>Access:</b>	Bridge gated. Key unknown, open at inspection time.						

### ABUTMENTS

<b>Bearings</b>	Good	Outside is covered with fill material
<b>Bracing</b>	Good	
<b>Ballast Wall</b>	Fair	Low and allowing fill material to spill onto bearings
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	Reposition existing signs further back from bridge
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Poor	Fenders are becoming buried and need to be re-positioned
<b>Posted Load Rating (Enter 0 if sign missing)</b>	0	
<b>Road Surface</b>	Good	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1110 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR/WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	R5-183	Structure Name:	R5-183	Road Name:	HAUTETE	Inspection Date:	2022/07/15
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	Bolted through flange
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	1.0	Estimated Present Water Level Width:	6.0
Estimated High Water Level Clearance:	3.0		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
7	Required	Low	\$ 0.00	Clean bearings
8	Required	Medium	\$ 0.00	Dig out and raise approach barriers
9	Required	Low	\$ 0.00	Reposition existing signs further back from bridge
10	Required	Medium	\$ 1.00	increase height of ballast wall

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1111 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	R5-183	<b>Structure Name:</b>	R5-183	<b>Road Name:</b>	HAUTETE	<b>Inspection Date:</b>	2022/07/15	
<b>MONITORS</b>	#	Description						
<b>GENERAL</b>	<b>Inspector's Comment:</b>	No gate on site at this time						
<b>GENERAL</b>	<b>PEng's Comment:</b>							
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2051	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		68	<b>Design Load GVW (tonnes):</b>		<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Mark Dewit on 2023/01/10 10:51:27				

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1112 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-172	<b>Structure Name:</b>	G5-172	<b>Road Name:</b>	SECTION I	<b>Inspection Date:</b>	2021/09/08
<b>KM:</b>	19.10	<b>User km:</b>	19.10	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2024/09/08
<b>Project File ID #:</b>	R09277	<b>Br.</b>	I	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Pipe Arch			<b>Culvert Material:</b>	Corrugated Steel		
<b>Inlet Cover (mm):</b>	2,000			<b>Outlet Cover (mm):</b>	2,200		
<b>Footing Type:</b>				<b>Gradient (%):</b>	2.0		
<b>Culvert Length (metres):</b>	15.0	<b>Opening Height (mm):</b>	1,000	<b>Opening Width (mm):</b>	1,550		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	410310	<b>UTM Northing:</b>	6122282		
<b>Inspector Name:</b>	Gary Zsombor			<b>Year Superstructure Installed:</b>	1990		
<b>Access:</b>	Minor culvert on Apollo Permit R09277.I						

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Road Surface</b>	Fair	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Not Applicable	
<b>Coupled Connections</b>	Good	
<b>Coating</b>	Fair	
<b>Embedment Materials</b>	Not Applicable	
<b>Fill</b>	Fair	
<b>Floor</b>	Fair	
<b>Head Wall</b>	Not Applicable	
<b>Inlet</b>	Fair	
<b>Outlet</b>	Good	
<b>Overall</b>	Good	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1113 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-172	<b>Structure Name:</b>	G5-172	<b>Road Name:</b>	SECTION I	<b>Inspection Date:</b>	2021/09/08
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<b>Riprap</b>	Not Applicable
<b>Roof</b>	Good
<b>Side Walls</b>	Fair
<b>Trash Rack</b>	Not Applicable
<b>Wiers/Backwater Structures</b>	Not Applicable
<b>Wing Wall</b>	Not Applicable

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	0.6
	<b>Estimated High Water Level Clearance:</b>	0.3		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	Yes	<b>Aggradation:</b>	No
	<b>Comment:</b>	Beavers have a dam around inlet. Does not block inlet.								

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>

<b>MONITORS</b>	<b>#</b>	<b>Description</b>

<b>GENERAL</b>	<b>Inspector's Comment:</b>	A minor pipe arch. Set to do not inspect.
	<b>PEng's Comment:</b>	

<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2040	<b>Estimated Replacement (year):</b>	
	<b>Current Inspection Load Rating:</b>	54	<b>Design Load GVW (tonnes):</b>	54
	<b>Design Vehicle Config.:</b>			
<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/02/10 16:41:50	

### Corporate Bridge Register (CBR)

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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1114 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-490	<b>Structure Name:</b>	G5-490	<b>Road Name:</b>	FSR 6480.05	<b>Inspection Date:</b>	2022/06/16	
<b>KM:</b>	13.30	<b>User km:</b>	480.80	<b>Crossing Name:</b>	Unnamed creek	<b>Next Inspection Date:</b>	2025/06/16	
<b>Project File ID #:</b>	R10369	<b>Br.</b>	A	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete			<b>Running Surface:</b>	Concrete			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Concrete Precast		
<b>Superstructure:</b>	Concrete Box Beam				<b>Right</b>	Concrete Precast		
<b>Total Length (metres):</b>	14.0	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	14
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	480605		<b>UTM Northing:</b>	6040321	
<b>Inspector Name:</b>	Warren Wilkinson			<b>Year Superstructure Installed:</b>	2000			
<b>Access:</b>	Can also be accessed from km 50 branch road off Davie-Muskeg (400 road). Stay left at km 410 fork.							

### ABUTMENTS

<b>Bearings</b>	Not Applicable	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Precast</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	Part of ballast wall
<b>Fill</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	0	Fibre Glass
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	Down rate to 5 tonnes

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1115 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-490	<b>Structure Name:</b>	G5-490	<b>Road Name:</b>	FSR 6480.05	<b>Inspection Date:</b>	2022/06/16
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<b>Road Surface</b>	Good	Freshly graded
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DECK		
Span 1		
Concrete Deck	Good	
Curb Rail/Blocks/Posts	Poor	all posts rotted/ 1 curb rotted
Deck Joints	Good	
Grout Pockets	Not Applicable	
Grout Pockets	Not Applicable	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Poor	because of curbing all other comments good
Running Surface	Good	

SUPERSTRUCTURE		
Span 1		
Bracing	Not Applicable	
Hardware	Not Applicable	
Welded/grouted shear connectors	Not Applicable	

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	2.0
	Estimated High Water Level Clearance:	1.0		

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

REPAIRS	#	Status	Priority	Estimate	Description
	5	Required	High	\$	replace curbs and post prior to industrial activity.

MONITORS	#	Description

### Corporate Bridge Register (CBR)

Disclaimer:  
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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1116 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-490	<b>Structure Name:</b>	G5-490	<b>Road Name:</b>	FSR 6480.05	<b>Inspection Date:</b>	2022/06/16
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	Bridge may be closed at any time due to missing and rotten guardrails. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2050	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	10	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/30 13:16:22			

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1117 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-142	Structure Name:	G5-142	Road Name:	A52153 CP 30	Inspection Date:	2017/06/15
KM:	26.90	User km:	26.90	Crossing Name:	Unnamed creek	Next Inspection Date:	2020/06/15
Project File ID #:	R13151	Br.	A	Forest District:	Stuart Nechako Natural Resource District		
Culvert Type:	Pipe Arch			Culvert Material:	Corrugated Steel		
Inlet Cover (mm):	600			Outlet Cover (mm):	600		
Footing Type:				Gradient (%):			
Culvert Length (metres):	12.0	Opening Height (mm):	1,270	Opening Width (mm):	1,900		
UTM Zone:	10	UTM Easting:	350297	UTM Northing:	6158991		
Inspector Name:	Justin Beveridge			Year Superstructure Installed:	1987		
Access:	Road has been transferred to an RP. Do not inspect - CP Oct 2020						

### APPROACHES

Alignment	Fair	
Road Surface	Fair	potholes

### CULVERT ELEMENT

Baffles	Not Applicable	
Bolted Connections	Not Applicable	
Coupled Connections	Poor	left culvert roof has collapsed approx. 30cm at connection
Coating	Fair	
Embedment Materials	Poor	not embedded properly
Fill	Fair	oversteepened d/s. ravelling from water off road
Floor	Fair	
Footing	Not Applicable	
Head Wall	Not Applicable	
Inlet	Good	
Outlet	Good	
Overall	Fair	
Riprap	Good	
Roof	Poor	left culvert roof has collapsed approx. 30cm at connection. Right culvert is good.
Side Walls	Fair	
Trash Rack	Not Applicable	

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1118 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-142	<b>Structure Name:</b>	G5-142	<b>Road Name:</b>	A52153 CP 30	<b>Inspection Date:</b>	2017/06/15
<b>Wiers/Backwater Structures</b>	Not Applicable						
<b>Wing Wall</b>	Not Applicable						
<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	4.5			
	<b>Estimated High Water Level Clearance:</b>	0.7					
<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b> No <b>Aggradation:</b> Yes
	<b>Comment:</b>	some minor aggradation at inlet.					
<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>		
<b>MONITORS</b>	<b>#</b>	<b>Description</b>					
	1	monitor left culvert for further collapse of roof.					
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	Monitor left culvert for further settlement.					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2027	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	54	<b>Design Load GVW (tonnes):</b>	54	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Ross Hyam on 2018/04/30 17:08:54			

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1119 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-163	Structure Name:	G4-163	Road Name:	300 ROAD	Inspection Date:	2022/07/26
KM:	9.00	User km:	9.00	Crossing Name:	unnamed	Next Inspection Date:	2025/07/26
Project File ID #:	R14819	Br.	1	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete Composite			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Steel Pipe and Precast Pad	
Superstructure:	Steel I-beam				Right	Steel Pipe and Precast Pad	
Total Length (metres):	12.2	# Spans:	1	Span Width:		Span Length(s) (metres):	12.2
UTM Zone:	10		UTM Easting:	373141		UTM Northing:	5999712
Inspector Name:	Warren Wilkinson			Year Superstructure Installed:	2011		
Access:							

### ABUTMENTS

Bearings	Excellent	
Bracing	Good	From what could be seen
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	Caps
Fill	Good	
Hardware	Good	
Piles or Posts	Good	Posts
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Fair	Left upstream broken
Posted Load Rating (Enter 0 if sign missing)	64	
Road Surface	Good	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1120 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-163	Structure Name:	G4-163	Road Name:	300 ROAD	Inspection Date:	2022/07/26
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### DECK

#### Span 1

Concrete Deck	Good	Left upstream bracket spalling cement from vehicle hit
Curb Rail/Blocks/Posts	Good	
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Not Applicable	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	1.0
	Estimated High Water Level Clearance:	1.0		

HAZARDS	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:	Right side sand deposit from stream on bank								

REPAIRS	#	Status	Priority	Estimate	Description

MONITORS	#	Description
	1	Left upstream bracket spalding

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1121 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-163	<b>Structure Name:</b>	G4-163	<b>Road Name:</b>	300 ROAD	<b>Inspection Date:</b>	2022/07/26
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	No concerns. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2056	<b>Estimated Replacement (year):</b>	2060			
	<b>Current Inspection Load Rating:</b>	64	<b>Design Load GVW (tonnes):</b>	64	<b>Design Vehicle Config.:</b>	BCL62	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/23 10:40:18			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1122 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-164	Structure Name:	G4-166A	Road Name:	300 ROAD	Inspection Date:	2022/07/26
KM:	9.30	User km:	9.30	Crossing Name:	unnamed	Next Inspection Date:	2025/07/26
Project File ID #:	R14819	Br.	1	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Concrete Composite			Running Surface:	Concrete		
Curb Type:				Abutments (looking downstream)	Left	Steel Pipe and Precast Pad	
Superstructure:	Steel I-beam				Right	Steel Pipe and Precast Pad	
Total Length (metres):	18.3	# Spans:	1	Span Width:			Span Length(s) (metres): 18.3
UTM Zone:	10		UTM Easting:	373423		UTM Northing:	5999862
Inspector Name:	Warren Wilikinson			Year Superstructure Installed:	2011		
Access:	Structure number was wrong. Changed from G4-164 to G4-166A						

### ABUTMENTS

Bearings	Good	
Bracing	Good	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	caps
Fill	Good	water scouring front of fill under bridge
Hardware	Not Applicable	
Piles or Posts	Good	popsts
Riprap	Not Applicable	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	corner d/c
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	downstream broken
Fender Condition	Poor	right upstream broken
Posted Load Rating (Enter 0 if sign missing)	64	
Road Surface	Good	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1123 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #: G4-164 Structure Name: G4-166A Road Name: 300 ROAD Inspection Date: 2022/07/26

### DECK

#### Span 1

Concrete Deck	Good	repaired spalling left upstream
Curb Rail/Blocks/Posts	Good	Steel
Deck Joints	Good	
Grout Pockets	Good	
Hardware	Good	right downstream bolts missing from curb rail
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Not Applicable	welded
Under Trussing	Good	

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:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

REPAIRS	#	Status	Priority	Estimate	Description
	2	Required	Medium		Install missing bolts in guard rail.

MONITORS	#	Description
	1	fix to spalling of deck around bracket bolts, left upstream

### Corporate Bridge Register (CBR)

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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1124 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-164	<b>Structure Name:</b>	G4-166A	<b>Road Name:</b>	300 ROAD	<b>Inspection Date:</b>	2022/07/26
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	Missing rail bolts. No other concerns. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2056	<b>Estimated Replacement (year):</b>	2060			
	<b>Current Inspection Load Rating:</b>	64	<b>Design Load GVW (tonnes):</b>	64	<b>Design Vehicle Config.:</b>	BCL62	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2022/11/23 15:40:34			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1125 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-167	<b>Structure Name:</b>	G4-167	<b>Road Name:</b>	300 ROAD	<b>Inspection Date:</b>	2023/08/30	
<b>KM:</b>	20.10	<b>User km:</b>	20.10	<b>Crossing Name:</b>	Ormond Creek	<b>Next Inspection Date:</b>	2026/08/30	
<b>Project File ID #:</b>	R14819	<b>Br.</b>	1	<b>Forest District:</b>	Stuart Nechako Natural Resource District			
<b>Deck Type:</b>	Concrete			<b>Running Surface:</b>	Concrete			
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Steel Pipe and Precast Pad		
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Steel Pipe and Precast Pad		
<b>Total Length (metres):</b>	15.2	<b># Spans:</b>	1	<b>Span Width:</b>			<b>Span Length(s) (metres):</b>	15.2
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	380344		<b>UTM Northing:</b>	6006993	
<b>Inspector Name:</b>	John Brett			<b>Year Superstructure Installed:</b>	2010			
<b>Access:</b>	*** FIELD-CHECK 'kilometre' and 'user kilometre' ***							

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Good	
<b>Ballast Wall</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Good	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Posted Load Rating (Enter 0 if sign missing)</b>	91	
<b>Road Surface</b>	Excellent	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1126 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-167	Structure Name:	G4-167	Road Name:	300 ROAD	Inspection Date:	2023/08/30
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### DECK

#### Span 1

Concrete Deck	Good	
Curb Rail/Blocks/Posts	Fair	Good voerall but paint starting to lift in spots
Deck Joints	Good	One deck joint has failed. Rubber joint.
Grout Pockets	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Overall Deck Condition	Good	
Running Surface	Good	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	3.5
	Estimated High Water Level Clearance:	2.4		

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

REPAIRS	#	Status	Priority	Estimate	Description
	3	Required	Low	\$	Replace rubber joint that has fallen below deck
4	Required	Low	\$	Remove gravel from deck	

MONITORS	#	Description
	1	Guardrail paint, starting to lift in spots, see pics

### Corporate Bridge Register (CBR)

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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1127 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-167	<b>Structure Name:</b>	G4-167	<b>Road Name:</b>	300 ROAD	<b>Inspection Date:</b>	2023/08/30
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is in good shape overall. There is one deck joint mid span that has failed and guardrail paint is starting to lift in spots. Structure would benefit from removing gravel from the concrete deck.					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Good. BH					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2050	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Bruce Henderson on 2023/11/10 13:42:30			

### Corporate Bridge Register (CBR)

- Disclaimer:
- 1) Structure and site information is current at the time of report creation and may have changed since the inspection was submitted and/or accepted.
  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1128 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-185	Structure Name:	G4-185	Road Name:	R21455 SEC.AW	Inspection Date:	2019/08/08
KM:	1.00	User km:	1.00	Crossing Name:	Un-named	Next Inspection Date:	2019/08/08
Project File ID #:	R21455	Br.	AW	Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Steel			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Sill -Temporary Materials	
Superstructure:	Steel Box Beam				Right	Sill -Temporary Materials	
Total Length (metres):	6.1	# Spans:	1	Span Width:			Span Length(s) (metres): 6.1
UTM Zone:	10		UTM Easting:	422270		UTM Northing:	6006618
Inspector Name:	dawson smith			Year Superstructure Installed:	2011		
Access:	Vanderhoof Community Forest RP						

### ABUTMENTS

Bearings	Not Applicable
Bracing	Not Applicable
Ballast Wall	Good
Corrosion Protection	Not Applicable
Caps or Sills	Good
Fill	Good
Hardware	Good
Piles or Posts	Not Applicable
Riprap	Not Applicable
Wing Wall	Not Applicable

### APPROACHES

Alignment	Good
Bridge Ahead Signs Missing	0
Brushing Required	Yes
Delineator Missing Left (approaching structure)	0
Delineator Missing Right (approaching structure)	1
Fender Condition	None
Road Surface	Good

### DECK

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1129 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-185	Structure Name:	G4-185	Road Name:	R21455 SEC.AW	Inspection Date:	2019/08/08
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Span 1	
Curb Rail/Blocks/Posts	Good
Hardware	Good
Hand Rails/Walkouts	Not Applicable
Overall Deck Condition	Good
Steel Deck Plate	Good

SUPERSTRUCTURE	
Span 1	
Bracing	Good
Diaphragms	Good
Girders	Good
Hardware	Not Applicable
Under Trussing	Not Applicable

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.0	Estimated Present Water Level Width:	0.0
	Estimated High Water Level Clearance:	1.0		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	1	Required	Low	\$ 250.00	INSTALL MISSING DELINEATORS AND LOAD RATING SIGN
	2	Required	Low	\$ 500.00	brushing

<b>MONITORS</b>	#	Description

<b>GENERAL</b>	Inspector's Comment:	

**Corporate Bridge Register (CBR)**

- Disclaimer:
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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1130 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-185	<b>Structure Name:</b>	G4-185	<b>Road Name:</b>	R21455 SEC.AW	<b>Inspection Date:</b>	2019/08/08
<b>GENERAL</b>	<b>PEng's Comment:</b>						
	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>		64	<b>Design Load GVW (tonnes):</b>		64	<b>Design Vehicle Config.:</b>
<b>GENERAL</b>	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b> Reviewed By Jason Olmsted on 2020/01/22 10:47:30				

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1131 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-170	<b>Structure Name:</b>	G4-170A	<b>Road Name:</b>	R21455 SEC.AX	<b>Inspection Date:</b>	2018/09/23
<b>KM:</b>	6.50	<b>User km:</b>	9.00	<b>Crossing Name:</b>	Unknown	<b>Next Inspection Date:</b>	2018/09/23
<b>Project File ID #:</b>	R21455	<b>Br.</b>	AX	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Culvert Type:</b>	Open Bottom		<b>Culvert Material:</b>	Corrugated Steel			
<b>Inlet Cover (mm):</b>	750		<b>Outlet Cover (mm):</b>	1,000			
<b>Footing Type:</b>	Precast Concrete Footing		<b>Gradient (%):</b>				
<b>Culvert Length (metres):</b>	20.0	<b>Opening Height (mm):</b>	2,360	<b>Opening Width (mm):</b>	5,790		
<b>UTM Zone:</b>	10	<b>UTM Easting:</b>	431081	<b>UTM Northing:</b>	6003786		
<b>Inspector Name:</b>	Adam Mathison, GradTech		<b>Year Superstructure Installed:</b>				
<b>Access:</b>	Vanderhoof Community Forest RP						

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left</b> <small>(approaching structure)</small>	0	
<b>Delineator Missing Right</b> <small>(approaching structure)</small>	0	
<b>Fender Condition</b>	None	
<b>Road Surface</b>	Good	

### CULVERT ELEMENT

<b>Baffles</b>	Not Applicable	
<b>Bolted Connections</b>	Good	
<b>Coupled Connections</b>	Not Applicable	
<b>Coating</b>	Good	
<b>Embedment Materials</b>	Good	
<b>Fill</b>	Good	
<b>Floor</b>	Fair	Beaver dam under construction inside of culvert
<b>Footing</b>	Good	Exposed upstream right corner
<b>Head Wall</b>	Not Applicable	
<b>Inlet</b>	Good	
<b>Outlet</b>	Good	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Major Culvert Inspection Report

Page: 1132 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001C

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-170	<b>Structure Name:</b>	G4-170A	<b>Road Name:</b>	R21455 SEC.AX	<b>Inspection Date:</b>	2018/09/23
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<b>Overall</b>	Good	
<b>Riprap</b>	Fair	Riprap too small over footings
<b>Roof</b>	Good	
<b>Side Walls</b>	Good	
<b>Trash Rack</b>	Not Applicable	
<b>Wiers/Backwater Structures</b>	Not Applicable	
<b>Wing Wall</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	2.5
	<b>Estimated High Water Level Clearance:</b>	1.5		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

<b>MONITORS</b>	#	Description
	1	Monitor beaver activity in and around pipe
	2	Monitor footing exposure

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Culvert in overall good condition. Beaver dam under construction in culvert. Monitor beaver activity.
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<b>GENERAL</b>	<b>PEng's Comment:</b>	
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<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2040	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	68	<b>Design Load GVW (tonnes):</b>	68	<b>Design Vehicle Config.:</b>	CL625
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jason Olmsted on 2019/01/31 08:53:15		

**Corporate Bridge Register (CBR)**

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1133 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-145	<b>Structure Name:</b>	G5-145	<b>Road Name:</b>	GERMANSEN	<b>Inspection Date:</b>	2020/10/06
<b>KM:</b>	48.30	<b>User km:</b>	48.30	<b>Crossing Name:</b>	Twin Creek	<b>Next Inspection Date:</b>	2022/10/06
<b>Project File ID #:</b>	R22292	<b>Br.</b>	DB	<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Not Available		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Crib, Log or Untreated Timber	
<b>Superstructure:</b>	Log Stringers				<b>Right</b>	Crib, Log or Untreated Timber	
<b>Total Length (metres):</b>	11.0	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	11
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	363430		<b>UTM Northing:</b>	6164334
<b>Inspector Name:</b>	Warren Wilkinson			<b>Year Superstructure Installed:</b>	1995		
<b>Access:</b>	Road has been transferred to an RP. Do not inspect. CP Oct 2020						

### ABUTMENTS

<b>Bearings</b>	Fair	Several spacers between log sill and Log Strings are rotting and soft, made from plywood and 2x6
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Fair	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Fair	Surface Rot
<b>Fill</b>	Good	
<b>Hardware</b>	Fair	
<b>Log/Timber Cribs</b>	Fair	Surface Rot
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Fair	
<b>Tie-backs</b>	Fair	Surface Rot
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	None	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1134 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-145	Structure Name:	G5-145	Road Name:	GERMANSEN	Inspection Date:	2020/10/06
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Posted Load Rating (Enter 0 if sign missing)	1	
Road Surface	Poor	wilderness

### DECK

#### Span 1

Curb Rail/Blocks/Posts	Fair	log curbs, surface rot 5-10cm depth
Deck to Girder Bolts	Not Applicable	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Nails	Fair	
Overall Deck Condition	Fair	
Running Planks	Not Applicable	
Sub Deck	Fair	Rot Found, soft boards
Ties	Fair	all tested were solid

### STRINGERS

#### Span 1

Stringer	Diameter or Width X Depth	Peeled	Rot Depth (Bottom)	Rot Depth (Side)	Rot Depth (Top)	Wood Species	Comments
1	570	No	0	0	0	sx	found to be solid
2	600	Yes	0	0	0	sx	found to be solid
3	560	Yes	0	0	0	sx	found to be solid
4	590	Yes	0	0	0	sx	found to be solid
5	510	Yes	0	0	0	sx	found to be solid
6	490	Yes	0	0	0	sx	found to be solid

Log Curbs	Fair	log curbs, surface rot 5-10cm depth
Needle Beam(s) and Shims	Not Applicable	

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.0	Estimated Present Water Level Width:	8.0
	Estimated High Water Level Clearance:	0.5		

<b>HAZARDS</b>	High Water:	Yes	Scour:	Yes	Ice:	No	Debris:	Yes	Aggradation:	No
	Comment:	left abutment sitting in stream, fast water could be scouring under. logs under and pushed up against bridge.								

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1135 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-145	<b>Structure Name:</b>	G5-145	<b>Road Name:</b>	GERMANSEN	<b>Inspection Date:</b>	2020/10/06
<b>REPAIRS</b>	#	Status	Priority	Estimate	Description		
<b>MONITORS</b>	#	Description					
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Bridge is not on FSR, FLNRO carries out inspection as it is on the land base but does not "own" this bridge. bridge re-posted from 45000kg to 5000kg					
<b>GENERAL</b>	<b>PEng's Comment:</b>	This bridge is on a RP. Bridge will not be monitored anymore. RP holder is responsible for everything.					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>			2002	<b>Estimated Replacement (year):</b>		2015
	<b>Current Inspection Load Rating:</b>		5	<b>Design Load GVW (tonnes):</b>		45	<b>Design Vehicle Config.:</b>
	<b>Professional Inspection Required?</b>		No	<b>Report Status:</b>		Reviewed By Jason Olmsted on 2021/03/01 11:39:53	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1136 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-STOR	Structure Name:	G4-036	Road Name:		Inspection Date:	2008/11/07
KM:		User km:		Crossing Name:	Vanderhoof District	Next Inspection Date:	2012/04/20
Project File ID #:		Br.		Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated - Panels			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Crib, Log or Untreated Timber	
Superstructure:	Steel I-beam				Right	Crib, Log or Untreated Timber	
Total Length (metres):	12.1	# Spans:	1	Span Width:		Span Length(s) (metres):	12.1
UTM Zone:	10		UTM Easting:	434873	UTM Northing:	5984828	
Inspector Name:	Vince Sewell			Year Superstructure Installed:	2007		
Access:	Vanderhoof District Office						

### ABUTMENTS

Bearings	Unrated	na
Bracing	Not Applicable	
Ballast Wall	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Fair	
Fill	Good	
Hardware	Not Applicable	
Log/Timber Cribs	Fair	still solid - but untreated 1.4 years old
Piles or Posts	Not Applicable	
Riprap	Not Applicable	none needed
Tie-backs	Not Applicable	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	2	
Brushing Required	No	
Delineator Missing Left (approaching structure)	1	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1137 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-STOR	Structure Name:	G4-036	Road Name:		Inspection Date:	2008/11/07
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Road Surface	Fair	
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DECK		
Span 1		
Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	treated
Ties	Good	

SUPERSTRUCTURE		
Span 1		
Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Not Applicable	
Under Trussing	Not Applicable	

CHANNEL	Estimated Present Water Level Depth:	0.3	Estimated Present Water Level Width:	2.0
	Estimated High Water Level Clearance:	0.8		

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

REPAIRS	#	Status	Priority	Estimate	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1138 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-STOR	Structure Name:	G4-036	Road Name:		Inspection Date:	2008/11/07
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MONITORS	#	Description				
GENERAL	Inspector's Comment:	The bridge itself is in very good condition. The untreated cribs are still solid but their age will soon start to show. No industrial use at this time and this bridge is behind G4-028 with a 10 tonne load rating.				
	PEng's Comment:	Refer to Inspection Comments for historical PEng Comments				
GENERAL	Estimated Load Restriction (year):	2020	Estimated Replacement (year):			
	Current Inspection Load Rating:	See footnote	Design Load GVW (tonnes):		Design Vehicle Config.:	
	Professional Inspection Required?	No	Report Status:	Accepted By IDIR\JOLMSTED on 2013/05/27 16:28:27		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1139 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-STOR	Structure Name:	G4-935	Road Name:		Inspection Date:	2021/09/16
KM:		User km:		Crossing Name:	Ft St James District	Next Inspection Date:	2024/09/16
Project File ID #:		Br.		Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated - Panels			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Sill -Temporary Materials	
Superstructure:	Steel I-beam				Right	Sill -Temporary Materials	
Total Length (metres):	18.3	# Spans:	1	Span Width:		Span Length(s) (metres):	18.3
UTM Zone:	10		UTM Easting:	418198	UTM Northing:	6031130	
Inspector Name:	Gary Zsombor			Year Superstructure Installed:	2017		
Access:	Fort St. James bridge storage site (Hat Lake)- see individual structures for specific storage locations.						

### ABUTMENTS

Bearings	Fair	
Bracing	Not Applicable	
Ballast Wall	Fair	
Corrosion Protection	Not Applicable	
Caps or Sills	Fair	
Fill	Poor	Eroding. Hole in approach fill
Hardware	Not Applicable	
Piles or Posts	Not Applicable	
Riprap	Fair	
Wing Wall	Poor	Leaning wall piles

### APPROACHES

Alignment	Poor	In a hole
Bridge Ahead Signs Missing	1	High chain side
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Poor	Reset and secure
Posted Load Rating (Enter 0 if sign missing)	91	
Road Surface	Poor	Eroding. Hole in left approach

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1140 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-STOR	Structure Name:	G4-935	Road Name:		Inspection Date:	2021/09/16
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Fair	Minor damage on one rail and riser
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Unrated	N/A
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	2.0
Estimated High Water Level Clearance:	1.2		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description
4	Required	Low		add high chain sign
5	Required	Low		Replace small logs with proper sized logs and position correctly
6	Required	High		Wingwall piles to be replaced or fill to be pulled back and stream armoured.
7	Required	High		Reconstruct high chain approach and protect stream from sediment delivery

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1141 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-STOR	Structure Name:	G4-935	Road Name:		Inspection Date:	2021/09/16
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MONITORS	#	Description				
GENERAL	Inspector's Comment:	wingwall stability at issue.				
GENERAL	PEng's Comment:	Road approach eroding and needs re-constructing. Replace leaning wingwall or remove and armour stream with rip rap. BH				
GENERAL	Estimated Load Restriction (year):	2030	Estimated Replacement (year):			
	Current Inspection Load Rating:	91	Design Load GVW (tonnes):	91	Design Vehicle Config.:	L100
	Professional Inspection Required?	No	Report Status:	Reviewed By Bruce Henderson on 2022/02/06 21:12:30		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1142 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-STOR	<b>Structure Name:</b>	G4-145	<b>Road Name:</b>		<b>Inspection Date:</b>	2011/07/19
<b>KM:</b>		<b>User km:</b>		<b>Crossing Name:</b>	Vanderhoof District	<b>Next Inspection Date:</b>	2014/07/19
<b>Project File ID #:</b>		<b>Br.</b>		<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>		<b>Abutments (looking downstream)</b>		<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam			<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	8.2	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	8.2
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	434873		<b>UTM Northing:</b>	5984828
<b>Inspector Name:</b>	Vince Sewell			<b>Year Superstructure Installed:</b>	2002		
<b>Access:</b>	Vanderhoof District Office						

### ABUTMENTS

<b>Bearings</b>	Not Applicable	
<b>Bracing</b>	Good	
<b>Ballast Wall</b>	Good	
<b>Concrete Precast</b>	Good	
<b>Corrosion Protection</b>	Good	
<b>Caps or Sills</b>	Fair	North side crushed - no change from last inspection
<b>Fill</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Poor	North side not effective South side DS rotten
<b>Posted Load Rating (Enter 0 if sign missing)</b>	54	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1143 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-STOR	Structure Name:	G4-145	Road Name:		Inspection Date:	2011/07/19
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Road Surface	Fair	
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Fair	starting to get soft but ok for now
Deck to Girder Bolts	Not Applicable	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Not Applicable	

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.4	Estimated Present Water Level Width:	2.0
	Estimated High Water Level Clearance:	0.8		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

### Corporate Bridge Register (CBR)

Disclaimer:  
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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1144 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-STOR	Structure Name:	G4-145	Road Name:		Inspection Date:	2011/07/19
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MONITORS	#	Description
	1	HC outside Lock Blocks appear to have settled.
	2	curbs for rot

GENERAL	Inspector's Comment:	
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GENERAL	PEng's Comment:	Refer to Inspection Comments for historical PEng Comments
---------	-----------------	---

GENERAL	Estimated Load Restriction (year):	2022	Estimated Replacement (year):			
	Current Inspection Load Rating:	54	Design Load GVW (tonnes):	54	Design Vehicle Config.:	
	Professional Inspection Required?	No	Report Status:	Accepted By Jason Olmsted on 2013/05/27 00:00:00		

### Corporate Bridge Register (CBR)

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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1145 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-STOR	<b>Structure Name:</b>	G5-250	<b>Road Name:</b>		<b>Inspection Date:</b>	2013/08/28
<b>KM:</b>		<b>User km:</b>		<b>Crossing Name:</b>	Ft St James District	<b>Next Inspection Date:</b>	2015/08/28
<b>Project File ID #:</b>		<b>Br.</b>		<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Crib, Log or Untreated Timber	
<b>Superstructure:</b>	Log Stringers				<b>Right</b>	Crib, Log or Untreated Timber	
<b>Total Length (metres):</b>	6.0	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	6
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	418198		<b>UTM Northing:</b>	6031130
<b>Inspector Name:</b>	Warren Wilkinson		<b>Year Superstructure Installed:</b>	1988			
<b>Access:</b>	Fort St. James bridge storage site (Hat Lake)- see individual structures for specific storage locations.						

### ABUTMENTS

<b>Bearings</b>	Fair	
<b>Bracing</b>	Fair	
<b>Ballast Wall</b>	Fair	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Fair	
<b>Fill</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Log/Timber Cribs</b>	Poor	outside logs and logs on bottom row are in a rotting condition
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Not Applicable	
<b>Tie-backs</b>	Fair	some are rotting others appear reasonably sound
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	2	
<b>Fender Condition</b>	None	

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1146 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b> G5-STOR	<b>Structure Name:</b> G5-250	<b>Road Name:</b>	<b>Inspection Date:</b> 2013/08/28
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<b>Road Surface</b>	Poor	overgrown wilderness level road
<b>DECK</b>		
<b>Span 1</b>		
<b>Curb Rail/Blocks/Posts</b>	Poor	curp logs very rotten, spruce peeled
<b>Deck to Girder Bolts</b>	Not Applicable	
<b>Hardware</b>	Poor	steel cables used to hold curbs t bridge are loose due to rotting curbs
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Poor	loose and coming up
<b>Overall Deck Condition</b>	Poor	log bridge long past planed lifespan 10 years over planned lifespan
<b>Running Planks</b>	Poor	100% of boards were found to have rot
<b>Sub Deck</b>	Poor	90% of boards have some rot\soft spots
<b>Ties</b>	Poor	rot found in outside portion of ties not covered by deck

<b>STRINGERS</b>							
<b>Span 1</b>							
Stringer	Diameter or Width X Depth	Peeled	Rot Depth (Bottom)	Rot Depth (Side)	Rot Depth (Top)	Wood Species	Comments
1	520	Yes	0	0	20	FC	estimate of rot
2	600	Yes	0	0	20	Fd	estimate of rot
3	530	Yes	0	0	20	FD	estimate of rot
4	690	Yes	0	0	20	Fd	estimate of rot
5	530	Yes	0	0	20	fd	estimate of rot
6	680	No	0	0	20	fD	estimate of rot

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.1	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	2.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	1	Required	High	\$	replace abutments \ replace deck

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1147 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-STOR	Structure Name:	G5-250	Road Name:		Inspection Date:	2013/08/28
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:	Pull or replace				
	PEng's Comment:					
<b>GENERAL</b>	Estimated Load Restriction (year):	2000	Estimated Replacement (year):			
	Current Inspection Load Rating:	0	Design Load GVW (tonnes):	0	Design Vehicle Config.:	
	Professional Inspection Required?	No	Report Status:	Accepted By Jason Olmsted on 2014/05/12 14:24:35		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1148 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-STOR	Structure Name:	G4-914	Road Name:		Inspection Date:	2013/09/19
KM:		User km:		Crossing Name:	Vanderhoof District	Next Inspection Date:	2016/09/19
Project File ID #:		Br.		Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated			Running Surface:	Timber Planks		
Curb Type:		Abutments (looking downstream)	Left	Right	Concrete Lock Blocks		
Superstructure:	Steel I-beam			Concrete Lock Blocks			
Total Length (metres):	16.0	# Spans:	1	Span Width:		Span Length(s) (metres):	16
UTM Zone:	10	UTM Easting:	434873	UTM Northing:	5984828		
Inspector Name:	Warren Wilkinson		Year Superstructure Installed:	1997			
Access:	Vanderhoof District Office						

### ABUTMENTS

Bearings	Good	cannot se right side
Bracing	Good	
Ballast Wall	Good	
Concrete Precast	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Fair	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Not Applicable	
Wing Wall	Fair	

### APPROACHES

Alignment	Fair	Hills and corners both sides
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Posted Load Rating (Enter 0 if sign missing)	50	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1149 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-STOR	Structure Name:	G4-914	Road Name:		Inspection Date:	2013/09/19
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Road Surface	Fair	
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DECK		
Span 1		
Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Fair	
Overall Deck Condition	Fair	
Running Planks	Good	
Sub Deck	Poor	soft and rotting
Ties	Good	

SUPERSTRUCTURE		
Span 1		
Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Not Applicable	

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	2.0
	Estimated High Water Level Clearance:	2.0		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	1	Required	Medium	\$	replace deck

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1150 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-STOR	Structure Name:	G4-914	Road Name:		Inspection Date:	2013/09/19
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<b>MONITORS</b>	#	Description				
<b>GENERAL</b>	Inspector's Comment:					
	PEng's Comment:					
<b>GENERAL</b>	Estimated Load Restriction (year):	2035	Estimated Replacement (year):			
	Current Inspection Load Rating:	54	Design Load GVW (tonnes):	54	Design Vehicle Config.:	L60
	Professional Inspection Required?	No	Report Status:	Accepted By Jason Olmsted on 2014/04/14 11:33:59		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1151 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-STOR	Structure Name:	G5-930	Road Name:		Inspection Date:	2006/01/01
KM:		User km:		Crossing Name:	Ft St James District	Next Inspection Date:	2006/06/01
Project File ID #:		Br.		Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated - Panels			Running Surface:	Not Available		
Curb Type:		Abutments (looking downstream)	Left	Right	Other		
Superstructure:	Steel I-beam			Other			
Total Length (metres):	18.0	# Spans:	1	Span Width:		Span Length(s) (metres):	18
UTM Zone:	10	UTM Easting:	418198	UTM Northing:	6031130		
Inspector Name:	Unknown		Year Superstructure Installed:	2006			
Access:	Fort St. James bridge storage site (Hat Lake)- see individual structures for specific storage locations.						

### APPROACHES

Bridge Ahead Signs Missing	2	No Comment Available -Converter.RNI
Delineator Missing Left (approaching structure)	2	No Comment Available -Converter.RNI
Delineator Missing Right (approaching structure)	2	No Comment Available -Converter.RNI
Posted Load Rating (Enter 0 if sign missing)	0.0	No Comment Available -Converter.RNI

CHANNEL	Estimated Present Water Level Depth:		Estimated Present Water Level Width:	
	Estimated High Water Level Clearance:	0.0		

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

REPAIRS	#	Status	Priority	Estimate	Description

MONITORS	#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1152 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-STOR	<b>Structure Name:</b>	G5-930	<b>Road Name:</b>		<b>Inspection Date:</b>	2006/01/01
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>						
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2030	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	See footnote	<b>Design Load GVW (tonnes):</b>	100	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	Yes	<b>Report Status:</b>	Rejected By IDIR\JOLMSTED on 2015/04/14 13:59:56			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1153 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-STOR	<b>Structure Name:</b>	G5-601	<b>Road Name:</b>		<b>Inspection Date:</b>	2012/06/15
<b>KM:</b>		<b>User km:</b>		<b>Crossing Name:</b>	Ft St James District	<b>Next Inspection Date:</b>	2014/06/15
<b>Project File ID #:</b>		<b>Br.</b>		<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated - Panels			<b>Running Surface:</b>	Not Available		
<b>Curb Type:</b>		<b>Abutments (looking downstream)</b>		<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam		<b>Right</b>	Concrete Lock Blocks			
<b>Total Length (metres):</b>	12.2	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	12.2
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	418198		<b>UTM Northing:</b>	6031130
<b>Inspector Name:</b>	Warren Wilkinson			<b>Year Superstructure Installed:</b>			
<b>Access:</b>	Fort St. James bridge storage site (Hat Lake)- see individual structures for specific storage locations.						

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Good	
<b>Ballast Wall</b>	Fair	Left upstream top board broken on outside
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Fair	Left upstream Sill showing rot on end and bearing wall side
<b>Fill</b>	Good	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Good	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Good	
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	one homemade, and one damaged
<b>Delineator Missing Right (approaching structure)</b>	0	one homemade, and one damaged
<b>Fender Condition</b>	Fair	
<b>Road Surface</b>	Fair	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1154 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-STOR	Structure Name:	G5-601	Road Name:		Inspection Date:	2012/06/15
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Fair	downstream curbs have splits in timbers
Deck to Girder Bolts	Good	only eight bolts
Hardware	Poor	rating due to deck condition
Hand Rails/Walkouts	Not Applicable	
Nails	Poor	Nails sticking up due to rot and ware of deck
Overall Deck Condition	Poor	rating due to deck condition
Running Planks	Not Applicable	
Sub Deck	Poor	many holes in deck, deck rotting, fungus on deck boards on underside
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Good	

CHANNEL	Estimated Present Water Level Depth:	0.5	Estimated Present Water Level Width:	3.0
	Estimated High Water Level Clearance:	2.0		

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

REPAIRS	#	Status	Priority	Estimate	Description
	1	Suggested	Medium	\$	relace broken curb timbers
	2	Suggested	High	\$	Replace broken baring wall board at time of deck repair
	3	Suggested	High	\$	replace all decking

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1155 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-STOR	<b>Structure Name:</b>	G5-601	<b>Road Name:</b>		<b>Inspection Date:</b>	2012/06/15
<b>MONITORS</b>	#	Description					
<b>GENERAL</b>	<b>Inspector's Comment:</b>	indications of tracked vehicle traffic on bridge Bridge down rated to 10 tonnes until deck is repaired and confirmation on steel capacity(need bridge file) on scheduled for inspection, but have had request to inspect from BCTS as planned use for this bridge in 2012					
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2020	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	10	<b>Design Load GVW (tonnes):</b>			<b>Design Vehicle Config.:</b>	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By Jason Olmsted on 2013/04/17 00:00:00			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1156 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-STOR	Structure Name:	G4-903	Road Name:		Inspection Date:	2016/07/12
KM:		User km:		Crossing Name:	Vanderhoof District	Next Inspection Date:	2018/07/12
Project File ID #:		Br.		Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Treated			Running Surface:	Not Available		
Curb Type:				Abutments (looking downstream)	Left	Sill -Temporary Materials	
Superstructure:	Steel I-beam				Right	Sill -Temporary Materials	
Total Length (metres):	12.0	# Spans:	1	Span Width:		Span Length(s) (metres):	12
UTM Zone:	10		UTM Easting:	434873	UTM Northing:	5984828	
Inspector Name:	Donovan J. A. Melin			Year Superstructure Installed:	1998		
Access:	Vanderhoof District Office						

### ABUTMENTS

Bearings	Poor	not pinned to girders
Bracing	Good	
Ballast Wall	Good	
Corrosion Protection	Good	
Caps or Sills	Poor	not pinned to girders
Fill	Good	
Hardware	Not Applicable	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Road Surface	Good	

### DECK

#### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1157 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-STOR	Structure Name:	G4-903	Road Name:		Inspection Date:	2016/07/12
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Span 1		
Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Fair	not tightened in a few places
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Not Applicable	
Sub Deck	Good	
Ties	Good	

SUPERSTRUCTURE		
Span 1		
Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Not Applicable	

CHANNEL	Estimated Present Water Level Depth:	0.3	Estimated Present Water Level Width:	4.0
	Estimated High Water Level Clearance:	1.5		

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

REPAIRS	#	Status	Priority	Estimate	Description
	1	Required	High	\$ 100.00	Post load limit of 41 tonnes sign.
	2	Required	High	\$ 500.00	Pin girders to timber sills.

MONITORS	#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1158 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-STOR	<b>Structure Name:</b>	G4-903	<b>Road Name:</b>		<b>Inspection Date:</b>	2016/07/12
<b>GENERAL</b>	<b>Inspector's Comment:</b>	The timber sills are pinned to the lock blocks but the girders are not pinned to the timber sills. A load rating of 41 tonnes is a serious limiting factor on this road and that sign should be posted. Bridge is in fair condition.					
<b>GENERAL</b>	<b>PEng's Comment:</b>						
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>		2018	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	41	<b>Design Load GVW (tonnes):</b>	41	<b>Design Vehicle Config.:</b>		
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jason Olmsted on 2016/12/19 09:01:20			

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1159 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-STOR	Structure Name:	G5-301	Road Name:		Inspection Date:	2015/12/18
KM:		User km:		Crossing Name:	Ft St James District	Next Inspection Date:	2017/12/18
Project File ID #:		Br.		Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated - Panels			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel I-beam				Right	Concrete Lock Blocks	
Total Length (metres):	9.1	# Spans:	1	Span Width:		Span Length(s) (metres):	9.1
UTM Zone:	10		UTM Easting:	418198	UTM Northing:	6031130	
Inspector Name:	Warren Wilkinson			Year Superstructure Installed:			
Access:	Fort St. James bridge storage site (Hat Lake)- see individual structures for specific storage locations.						

### ABUTMENTS

Bearings	Poor	Not centered on sill
Bracing	Not Applicable	
Ballast Wall	Good	Treated
Concrete Lock Blocks	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Excellent	
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Not Applicable	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	2	
Brushing Required	No	
Delineator Missing Left (approaching structure)	2	
Delineator Missing Right (approaching structure)	2	
Fender Condition	None	
Road Surface	Fair	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1160 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-STOR	Structure Name:	G5-301	Road Name:		Inspection Date:	2015/12/18
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Fair	Rot found
Deck to Girder Bolts	Not Applicable	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Nails	Poor	Lifting
Overall Deck Condition	Poor	Deck needs to be replaced
Running Planks	Poor	Rotting
Sub Deck	Poor	Rotting
Ties	Fair	

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.5	Estimated Present Water Level Width:	1.0
	Estimated High Water Level Clearance:	0.5		

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

REPAIRS	#	Status	Priority	Estimate	Description
	1	Required	High	\$	Replace deck and curbs

MONITORS	#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1161 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-STOR	<b>Structure Name:</b>	G5-301	<b>Road Name:</b>		<b>Inspection Date:</b>	2015/12/18
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	Need to confirm loading in the summer					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2030	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	See footnote	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jason Olmsted on 2016/01/18 14:36:53			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1162 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-STOR	<b>Structure Name:</b>	G5-300	<b>Road Name:</b>		<b>Inspection Date:</b>	2015/09/18
<b>KM:</b>		<b>User km:</b>		<b>Crossing Name:</b>	Ft St James District	<b>Next Inspection Date:</b>	2017/09/18
<b>Project File ID #:</b>		<b>Br.</b>		<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated - Panels			<b>Running Surface:</b>	Not Available		
<b>Curb Type:</b>				<b>Abutments (looking downstream)</b>	<b>Left</b>	Other	
<b>Superstructure:</b>	Steel I-beam				<b>Right</b>	Other	
<b>Total Length (metres):</b>	9.1	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	9.1
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	418198		<b>UTM Northing:</b>	6031130
<b>Inspector Name:</b>	Warren Wilkinson			<b>Year Superstructure Installed:</b>			
<b>Access:</b>	Fort St. James bridge storage site (Hat Lake)- see individual structures for specific storage locations.						

### ABUTMENTS

<b>Bearings</b>	Fair	Right side is not centered on sill
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Poor	Rotting, boards do not go up to deck edge
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>General Abutment Condition</b>	Fair	
<b>Hardware</b>	Good	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Not Applicable	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	Corner on right side
<b>Bridge Ahead Signs Missing</b>	2	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	2	
<b>Delineator Missing Right (approaching structure)</b>	2	
<b>Fender Condition</b>	None	
<b>Road Surface</b>	Poor	Wilderness

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1163 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-STOR	Structure Name:	G5-300	Road Name:		Inspection Date:	2015/09/18
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Poor	Rotting, curb broken
Deck to Girder Bolts	Not Applicable	
Hardware	Fair	
Hand Rails/Walkouts	Not Applicable	
Nails	Poor	Lifting
Overall Deck Condition	Poor	Deck needs replacement
Running Planks	Poor	Rotting
Sub Deck	Poor	Rotting
Ties	Fair	Wet with fungus

### SUPERSTRUCTURE

#### Span 1

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

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	1.0
	Estimated High Water Level Clearance:	0.5		

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

REPAIRS	#	Status	Priority	Estimate	Description
	1	Required	High	\$	Replace deck and curbs

MONITORS	#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1164 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-STOR	<b>Structure Name:</b>	G5-300	<b>Road Name:</b>		<b>Inspection Date:</b>	2015/09/18
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	Need to confirm loading this summer					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2030	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	See footnote	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jason Olmsted on 2016/01/18 14:34:27			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1165 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-STOR	Structure Name:	G4-900	Road Name:		Inspection Date:	2015/07/24
KM:		User km:		Crossing Name:	Ft St James District	Next Inspection Date:	2017/07/24
Project File ID #:		Br.		Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Treated			Running Surface:	Timber Planks		
Curb Type:		Abutments (looking downstream)	Left	Concrete Lock Blocks			
Superstructure:	Steel I-beam			Right	Concrete Lock Blocks		
Total Length (metres):	9.0	# Spans:	1	Span Width:		Span Length(s) (metres):	9
UTM Zone:	10		UTM Easting:	418198	UTM Northing:	6031130	
Inspector Name:	Warren Wilkinson			Year Superstructure Installed:	2014		
Access:	Fort St. James bridge storage site (Hat Lake)- see individual structures for specific storage locations.						

### ABUTMENTS

Bearings	Good	
Bracing	Good	
Ballast Wall	Good	
Concrete Lock Blocks	Good	Some settling
Corrosion Protection	Not Applicable	
Caps or Sills	Good	
Fill	Fair	Settling
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Fair	Off corners and hills both approaches
Bridge Ahead Signs Missing	0	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Good	
Posted Load Rating (Enter 0 if sign missing)	L40	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1166 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-STOR	Structure Name:	G4-900	Road Name:		Inspection Date:	2015/07/24
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Road Surface	Fair	
<b>DECK</b>		
<b>Span 1</b>		
Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Not Applicable	
Sub Deck	Good	
Ties	Good	

<b>SUPERSTRUCTURE</b>		
<b>Span 1</b>		
Bracing	Fair	Some bent
Diaphragms	Good	
Girders	Good	Some damage from previous install
Hardware	Good	
Under Trussing	Not Applicable	

<b>CHANNEL</b>	Estimated Present Water Level Depth:	0.1	Estimated Present Water Level Width:	0.3
	Estimated High Water Level Clearance:	0.4		

<b>HAZARDS</b>	High Water:	No	Scour:	No	Ice:	No	Debris:	No	Aggradation:	No
	Comment:	Beaver dam upstream								

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description
	1	Required	Medium	\$	Road needs capping material

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1167 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-STOR	Structure Name:	G4-900	Road Name:		Inspection Date:	2015/07/24
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<b>MONITORS</b>	#	Description				
	1	Monitor beaver activity upstream from crossing				
	2	Monitor settling of lock blocks				
<b>GENERAL</b>	Inspector's Comment:	Recent PEng inspection done on behalf of John Prince Research Forest UNBC				
	PEng's Comment:	Bridge to be replaced next year				
<b>GENERAL</b>	Estimated Load Restriction (year):	2035	Estimated Replacement (year):			
	Current Inspection Load Rating:	5	Design Load GVW (tonnes):	41	Design Vehicle Config.:	L45
	Professional Inspection Required?	No	Report Status:	Reviewed By Jason Olmsted on 2016/01/13 13:02:28		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1168 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-STOR	<b>Structure Name:</b>	G4-923	<b>Road Name:</b>		<b>Inspection Date:</b>	2020/05/13
<b>KM:</b>		<b>User km:</b>		<b>Crossing Name:</b>	Ft St James District	<b>Next Inspection Date:</b>	2023/05/13
<b>Project File ID #:</b>		<b>Br.</b>		<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Untreated - Panels			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>		<b>Abutments (looking downstream)</b>		<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam			<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	18.3	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	18.3
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	418198	<b>UTM Northing:</b>	6031130	
<b>Inspector Name:</b>	Sey Choi			<b>Year Superstructure Installed:</b>	2000		
<b>Access:</b>	Fort St. James bridge storage site (Hat Lake)- see individual structures for specific storage locations.						

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Fair	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Fair	
<b>Fill</b>	Fair	
<b>Hardware</b>	Fair	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Not Applicable	
<b>Wing Wall</b>	Poor	slope erosion to be monitored in future

### APPROACHES

<b>Alignment</b>	Fair	
<b>Bridge Ahead Signs Missing</b>	0	
<b>Brushing Required</b>	No	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Good	
<b>Road Surface</b>	Fair	

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1169 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-STOR	Structure Name:	G4-923	Road Name:		Inspection Date:	2020/05/13
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Good	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Not Applicable	
Sub Deck	Good	
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

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

### CHANNEL

Estimated Present Water Level Depth:	1.0	Estimated Present Water Level Width:	5.0
Estimated High Water Level Clearance:	1.0		

### HAZARDS

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

### REPAIRS

#	Status	Priority	Estimate	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1170 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-STOR	<b>Structure Name:</b>	G4-923	<b>Road Name:</b>		<b>Inspection Date:</b>	2020/05/13
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<b>MONITORS</b>	<b>#</b>	<b>Description</b>				
	1	Fender Condition				
	2	Fill Behind Ballast Walls				
<b>GENERAL</b>	<b>Inspector's Comment:</b>	Overall good condition. Actual Structure ID was G4-922, but it is an identical structure to G4-923. The current Structure Id will be kept and the structure will be remarked as G4-923.  Structure ID will be G4-922. Site G4-147 structure will be renamed to G4-923. GZ				
	<b>PEng's Comment:</b>	Good for L-100				
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2025	<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	91	<b>Design Load GVW (tonnes):</b>	91	<b>Design Vehicle Config.:</b>	L100
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jason Olmsted on 2021/05/20 12:32:29		

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1171 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-STOR	<b>Structure Name:</b>	G5-918	<b>Road Name:</b>		<b>Inspection Date:</b>	2020/09/02
<b>KM:</b>		<b>User km:</b>		<b>Crossing Name:</b>	Ft St James District	<b>Next Inspection Date:</b>	2023/09/02
<b>Project File ID #:</b>		<b>Br.</b>		<b>Forest District:</b>	Stuart Nechako Natural Resource District		
<b>Deck Type:</b>	Timber - Treated			<b>Running Surface:</b>	Timber Planks		
<b>Curb Type:</b>		<b>Abutments (looking downstream)</b>		<b>Left</b>	Concrete Lock Blocks		
<b>Superstructure:</b>	Steel I-beam			<b>Right</b>	Concrete Lock Blocks		
<b>Total Length (metres):</b>	12.2	<b># Spans:</b>	1	<b>Span Width:</b>		<b>Span Length(s) (metres):</b>	12.2
<b>UTM Zone:</b>	10		<b>UTM Easting:</b>	418198		<b>UTM Northing:</b>	6031130
<b>Inspector Name:</b>	Warren Wilkinson, Scott			<b>Year Superstructure Installed:</b>	1999		
<b>Access:</b>	Fort St. James bridge storage site (Hat Lake)- see individual structures for specific storage locations.						

### ABUTMENTS

<b>Bearings</b>	Good	
<b>Bracing</b>	Not Applicable	
<b>Ballast Wall</b>	Good	
<b>Concrete Lock Blocks</b>	Good	
<b>Corrosion Protection</b>	Not Applicable	
<b>Caps or Sills</b>	Good	
<b>Fill</b>	Good	
<b>Hardware</b>	Fair	
<b>Piles or Posts</b>	Not Applicable	
<b>Riprap</b>	Fair	
<b>Wing Wall</b>	Not Applicable	

### APPROACHES

<b>Alignment</b>	Fair	hill and corners
<b>Bridge Ahead Signs Missing</b>	1	upshain
<b>Brushing Required</b>	Yes	
<b>Delineator Missing Left (approaching structure)</b>	0	
<b>Delineator Missing Right (approaching structure)</b>	0	
<b>Fender Condition</b>	Fair	left upchain one no post sections knocked over
<b>Road Surface</b>	Fair	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1172 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-STOR	Structure Name:	G5-918	Road Name:		Inspection Date:	2020/09/02
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Good	
Running Planks	Good	
Sub Deck	Fair	fungus underneath deck
Ties	Good	

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Good	

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	3.0
	Estimated High Water Level Clearance:	1.0		

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

REPAIRS	#	Status	Priority	Estimate	Description

MONITORS	#	Description

### Corporate Bridge Register (CBR)

- Disclaimer:
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  - Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1173 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-STOR	<b>Structure Name:</b>	G5-918	<b>Road Name:</b>		<b>Inspection Date:</b>	2020/09/02
<b>GENERAL</b>	<b>Inspector's Comment:</b>	inspection supervised by Warren Wilkinson					
<b>GENERAL</b>	<b>PEng's Comment:</b>	looks ok					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2035		<b>Estimated Replacement (year):</b>			
	<b>Current Inspection Load Rating:</b>	68	<b>Design Load GVW (tonnes):</b>	68	<b>Design Vehicle Config.:</b>	L75	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jason Olmsted on 2021/03/04 14:39:15			

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1174 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-STOR	Structure Name:	G5-950	Road Name:		Inspection Date:	2020/09/02
KM:		User km:		Crossing Name:	Ft St James District	Next Inspection Date:	2023/09/02
Project File ID #:		Br.		Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated			Running Surface:	Timber Planks		
Curb Type:		Abutments (looking downstream)	Left	Right	Concrete Lock Blocks		
Superstructure:	Steel I-beam			Concrete Lock Blocks			
Total Length (metres):	12.0	# Spans:	1	Span Width:		Span Length(s) (metres):	12
UTM Zone:	10	UTM Easting:	418198	UTM Northing:	6031130		
Inspector Name:	Warren Wilkinons		Year Superstructure Installed:	2008			
Access:	Fort St. James bridge storage site (Hat Lake)- see individual structures for specific storage locations.						

### ABUTMENTS

Bearings	Fair	
Bracing	Not Applicable	
Ballast Wall	Fair	pushing out in the middle when \ where two boards butt join
Concrete Lock Blocks	Poor	right side has shifted, toed out
Corrosion Protection	Not Applicable	
Caps or Sills	Good	2 boards pinned together to make up each sill
Fill	Good	
Hardware	Not Applicable	
Piles or Posts	Not Applicable	
Riprap	Not Applicable	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Poor	corners both sides
Bridge Ahead Signs Missing	0	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	Fair	
Road Surface	Poor	wilderness

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1175 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-STOR	Structure Name:	G5-950	Road Name:		Inspection Date:	2020/09/02
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### DECK

#### Span 1

Curb Rail/Blocks/Posts	Good	
Deck to Girder Bolts	Good	
Hardware	Good	
Hand Rails/Walkouts	Not Applicable	
Nails	Good	
Overall Deck Condition	Poor	due to rot and hole
Running Planks	Not Applicable	
Sub Deck	Poor	holes and wear
Ties	Poor	found rot in ends

### SUPERSTRUCTURE

#### Span 1

Bracing	Good	
Diaphragms	Good	
Girders	Good	
Hardware	Good	
Under Trussing	Good	

CHANNEL	Estimated Present Water Level Depth:	0.2	Estimated Present Water Level Width:	2.0
	Estimated High Water Level Clearance:	0.6		

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

REPAIRS	#	Status	Priority	Estimate	Description
	5	Required	High		Replace deck

MONITORS	#	Description

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1176 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-STOR	<b>Structure Name:</b>	G5-950	<b>Road Name:</b>		<b>Inspection Date:</b>	2020/09/02
<b>GENERAL</b>	<b>Inspector's Comment:</b>						
<b>GENERAL</b>	<b>PEng's Comment:</b>	bridge deck needs to be replaced and any other outstanding issues. Bridge to be posted at 30 tonnes.					
<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2023	<b>Estimated Replacement (year):</b>				
	<b>Current Inspection Load Rating:</b>	30	<b>Design Load GVW (tonnes):</b>	64	<b>Design Vehicle Config.:</b>	CL625	
	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Reviewed By Jason Olmsted on 2021/03/04 14:43:54			

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.





# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1177 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-STOR	Structure Name:	G5-923	Road Name:		Inspection Date:	2020/09/09
KM:		User km:		Crossing Name:	Ft St James District	Next Inspection Date:	2023/09/09
Project File ID #:		Br.		Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated - Panels			Running Surface:	Timber Planks		
Curb Type:				Abutments (looking downstream)	Left	Concrete Lock Blocks	
Superstructure:	Steel I-beam				Right	Concrete Lock Blocks	
Total Length (metres):	12.2	# Spans:	1	Span Width:		Span Length(s) (metres):	12.2
UTM Zone:	10		UTM Easting:	418198	UTM Northing:	6031130	
Inspector Name:	Warren Wilkinson			Year Superstructure Installed:	2000		
Access:	Fort St. James bridge storage site (Hat Lake)- see individual structures for specific storage locations.						

### ABUTMENTS

Bearings	Good	
Bracing	Not Applicable	
Ballast Wall	Good	
Concrete Lock Blocks	Good	
Corrosion Protection	Not Applicable	
Caps or Sills	Good	no rot 12x12
Fill	Good	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Not Applicable	covered in dirt
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	2	
Brushing Required	Yes	
Delineator Missing Left (approaching structure)	2	
Delineator Missing Right (approaching structure)	2	
Fender Condition	Fair	
Posted Load Rating (Enter 0 if sign missing)	0	

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

Page: 1178 of 1182

## Permanent Bridge Inspection Report

Date Printed: 2023/11/29

User Id: IDIR\WWILKINS

Database: PROD

Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G5-STOR	<b>Structure Name:</b>	G5-923	<b>Road Name:</b>		<b>Inspection Date:</b>	2020/09/09
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<b>Road Surface</b>	Poor	wilderness
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### DECK

#### Span 1

<b>Curb Rail/Blocks/Posts</b>	Poor	rot in curbs, steel posts\risers attached to roted ties
<b>Deck to Girder Bolts</b>	Not Applicable	
<b>Hardware</b>	Fair	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Fair	
<b>Overall Deck Condition</b>	Poor	bridge deck in poor condition due to rot in many structure elements.
<b>Running Planks</b>	Poor	rot
<b>Sub Deck</b>	Poor	Rot and fungus as seen from below
<b>Ties</b>	Poor	Rot and fungus as seen from below

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Good	
<b>Under Trussing</b>	Good	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.2	<b>Estimated Present Water Level Width:</b>	1.0
	<b>Estimated High Water Level Clearance:</b>	1.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	<b>#</b>	<b>Status</b>	<b>Priority</b>	<b>Estimate</b>	<b>Description</b>
	8	Required	High		Replace deck
	9	Required	Medium		Brushing needed

### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Permanent Bridge Inspection Report

Page: 1179 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001A

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G5-STOR	Structure Name:	G5-923	Road Name:		Inspection Date:	2020/09/09
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MONITORS	#	Description				
GENERAL	Inspector's Comment:					
GENERAL	PEng's Comment:	Bridge deck needs replacing. Bridge to be posted at 30 tonnes until all repairs are completed				
GENERAL	Estimated Load Restriction (year):	2030	Estimated Replacement (year):			
	Current Inspection Load Rating:	30	Design Load GVW (tonnes):	68	Design Vehicle Config.:	L75
	Professional Inspection Required?	No	Report Status:	Reviewed By Jason Olmsted on 2021/03/04 14:14:36		

### Corporate Bridge Register (CBR)

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  - 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1180 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

Site #:	G4-STOR	Structure Name:	G4-128	Road Name:		Inspection Date:	2011/09/21
KM:		User km:		Crossing Name:	Vanderhoof District	Next Inspection Date:	2013/09/21
Project File ID #:		Br.		Forest District:	Stuart Nechako Natural Resource District		
Deck Type:	Timber - Untreated			Running Surface:	Timber Planks		
Curb Type:		Abutments (looking downstream)	Left	Concrete Lock Blocks			
Superstructure:	Steel I-beam			Right	Concrete Lock Blocks		
Total Length (metres):	9.0	# Spans:	1	Span Width:		Span Length(s) (metres):	9
UTM Zone:	10		UTM Easting:	434873	UTM Northing:	5984828	
Inspector Name:	Shane Gorezky			Year Superstructure Installed:	2000		
Access:	Vanderhoof District Office						

### ABUTMENTS

Bearings	Good	
Ballast Wall	Good	
Concrete Lock Blocks	Good	
Caps or Sills	Good	
Fill	Fair	
Hardware	Good	
Piles or Posts	Not Applicable	
Riprap	Good	
Wing Wall	Not Applicable	

### APPROACHES

Alignment	Good	
Bridge Ahead Signs Missing	2	
Brushing Required	No	
Delineator Missing Left (approaching structure)	0	
Delineator Missing Right (approaching structure)	0	
Fender Condition	None	
Road Surface	Poor	no surfacing

### DECK

Span 1

### Corporate Bridge Register (CBR)

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 2) Historic Load Rating data not available, contact FLNRO Regional Office for detailed information.



# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1181 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-STOR	<b>Structure Name:</b>	G4-128	<b>Road Name:</b>		<b>Inspection Date:</b>	2011/09/21
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<b>Curb Rail/Blocks/Posts</b>	Fair	
<b>Deck to Girder Bolts</b>	Fair	
<b>Hand Rails/Walkouts</b>	Not Applicable	
<b>Nails</b>	Fair	
<b>Overall Deck Condition</b>	Fair	decking beginning to rot
<b>Running Planks</b>	Not Applicable	
<b>Sub Deck</b>	Poor	Deck is showing sign of rot
<b>Ties</b>	Fair	

### SUPERSTRUCTURE

#### Span 1

<b>Bracing</b>	Good	
<b>Diaphragms</b>	Good	
<b>Girders</b>	Good	
<b>Hardware</b>	Not Applicable	
<b>Under Trussing</b>	Not Applicable	

<b>CHANNEL</b>	<b>Estimated Present Water Level Depth:</b>	0.3	<b>Estimated Present Water Level Width:</b>	1.2
	<b>Estimated High Water Level Clearance:</b>	2.0		

<b>HAZARDS</b>	<b>High Water:</b>	No	<b>Scour:</b>	No	<b>Ice:</b>	No	<b>Debris:</b>	No	<b>Aggradation:</b>	No
	<b>Comment:</b>									

<b>REPAIRS</b>	#	Status	Priority	Estimate	Description

<b>MONITORS</b>	#	Description
	1	Monitor deck for rot. Should be replaced prior to any industrial use

<b>GENERAL</b>	<b>Inspector's Comment:</b>	Little to no traffic as bridge is behind access management point Need asbuilt information and confirmation on loading
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### Corporate Bridge Register (CBR)

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# BC Ministry of Forests, Lands, and Natural Resource Operations

## Log Stringer Bridge Inspection Report

Page: 1182 of 1182  
 Date Printed: 2023/11/29  
 User Id: IDIR\WWILKINS  
 Database: PROD  
 Report Id: CBR001B

Forest District: Stuart Nechako Natural Resource District Most Recent Inspections Only: Yes Sort By:

<b>Site #:</b>	G4-STOR	<b>Structure Name:</b>	G4-128	<b>Road Name:</b>		<b>Inspection Date:</b>	2011/09/21
<b>GENERAL</b>	<b>PEng's Comment:</b>	Refer to Inspection Comments for historical PEng Comments					
	<b>GENERAL</b>	<b>Estimated Load Restriction (year):</b>	2015	<b>Estimated Replacement (year):</b>			
<b>GENERAL</b>	<b>Current Inspection Load Rating:</b>	See footnote	<b>Design Load GVW (tonnes):</b>		<b>Design Vehicle Config.:</b>		
<b>GENERAL</b>	<b>Professional Inspection Required?</b>	No	<b>Report Status:</b>	Accepted By Jason Olmsted on 2013/05/24 00:00:00			

### Corporate Bridge Register (CBR)

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