

CK-2519

GARNET EAST 3.5km

2017 Inspection

CBR iPad Offline Ver 0.26



CBR Data

Latitude	Longitude
49°25'57.79"	-121°33'26.3"
Crossing Name	East Fork Garnet Creek
FSR #	7558 Branch # 2
Road Name	GARNET EAST
User km	3.5
Current Load Rating (tonnes)	91
Structure Class	Temporary Bridge
Portable	Y
Superstructure	Steel I-beam
Deck Type	Timber - Treated
Abutment Left	Concrete Lock Blocks
Abutment Right	Concrete Lock Blocks
Spans	1
Total Length (m)	24.4
Deck Width (m)	4.3

Updated Data

Latitude	Longitude
49°25'58.45"	-121°33'25.83"
HD Diff. (m)	22.1 Accuracy (m) 5

Y

Inspection

Date of Inspection 2017-06-14 10:26:50 AM

Recommended Next Inspection Year 2018

Inspector Name Tyson Miller

Inspection Company MFLNRO

Inspector Comments

P.Eng Comments

At the time of the installation a 3 year lifespan was assumed and the lock block abutments were raised in the field to accomodate increased freeboard; however over the longer term this leaves the underside of the abutment (lock blocks) at an increased risk of scour as they are higher than the streambed. At the time of inspection the riprap was in fair condition but needs to be monitored. The record drawings indicate L100 or 91 tonnes load rating, which can continue. Post bridge ahead signs. Please submit structural drawings for the file.



19/06/2017

P.Eng Seal

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Approach

Alignment Good

 Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required N

 Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

 Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Fair

Posted Load Rating Not posted

Road Surface Fair

Abutment

Log/Timber Cribbs

Tie Backs

Bin Wall

Concrete Fair Lock blocks - some spalling starting to occur

Caps or Sills Fair 250mm x 300mm timber bolted to blocks

Piles or Posts

Ballast Wall Good 5 - 100mm x 300mm timber not fastened together or to girders

Wing Wall

Bracing

Hardware Good

Fill Good

Riprap Fair right downstream bank appears to have been repaired recently

Bearings Good

Corrosion Protection

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Deck

Running Surface

Running Planks	Good	75mm x 300mm
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Sub Deck	Good	Outside subdeck appears to 75mm x 250mm treated, all the rest appear to 75mm x 300mm untreated
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Ties	Good	Treated 200mmx 200mm
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Nails	Good	
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Deck to Girder Bolts	Good	Deck clips
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Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts	Good	
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Hand Rails/Walkouts	Good	
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Hardware	Good	
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Overall Deck Condition	Good	
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Gravel Depth (mm)

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Steel/Concrete

Serial/ID Plate 5268 - 597

Girders Fair Slight corrosion

Diaphragms Fair 6 welded bays, lightly corroded

Bracing Fair Lightly corroded

Under Trussing

Hardware

Welded/grouted
shear connectors**Log**

Log Curbs

Needle Beam

Needle Lashing/
Shimming

Needle Beam to Crib (m)

Needle Diameter (mm)

Stringer
Number

Species

Peeled

Diameter
(mm)Rot Depth
(mm)

Condition

Comment

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Hazards

Estimated Present Water Level Depth (m)	0.3	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	5.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	1.2	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
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1	Medium	Post bridge ahead signs
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2		
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3		
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Item	Monitor Description	Frequency
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1	riprap condition	Annually
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2		
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3		
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Sketch
(Select Signature)

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Approach from Right Bank when facing downstream



Deck



Small fender logs - typical all 4 corners



Looking upstream from deck

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Looking downstream from deck



Structure ID



Approach from Right Bank when facing downstream



Structure ID



Upstream Profile



Right Bank Abutment when facing downstream



Deck clips



Superstructure



Deck from underneath



Damage noted to left downstream stiffener



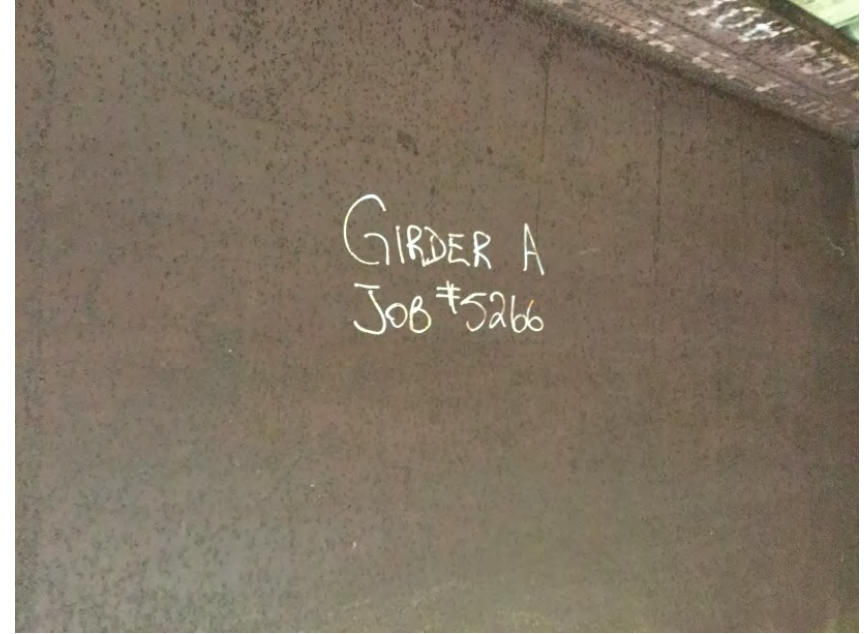
Sill - typical both sides



Slight riprap scour right downstream bank



Left bank lock block condition



Structure ID



Left Bank Abutment when facing downstream