

CK-2519

GARNET 9400 3.5km

2018 Inspection



CBR iPad Offline Ver 0.28

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 9400
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°25'57.61"	-121°33'25.15"
HD Diff. (m)	24.0
Accuracy (m)	5

Inspection

Date of Inspection 2018-05-31 11:25:16 AM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2019

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 present load rating of L100 or 91 tonnes load rating can continue.



08/06/2018

P.Eng Seal

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Approach

Alignment Good

Bridge Ahead Signs
Missing x 0 ☐ 1 ☐ 2

Brushing Required N

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Fair Small logs

Posted Load Rating Not posted

Road Surface Good

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete Good Lock blocks - minor spalling noted

Caps or Sills Fair Untreated timber - 250mm x 300mm

Piles or Posts

Ballast Wall Good Untreated timbers - not fastened to steel

Wing Wall

Bracing

Hardware Good Bearings secured with deck clips

Fill Good

Riprap Fair

Bearings Good

Corrosion Protection

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Deck

Running Surface

Running Planks

Fair

Sub Deck

Good

Treated

Ties

Good

Treated

Nails

Fair

Deck to Girder Bolts

Good

Deck clips

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts

Good

Hand Rails/Walkouts

Hardware

Good

Overall Deck Condition

Good

Gravel Depth (mm)

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Steel/Concrete

Girders Fair

Diaphragms Fair 6 welded bays

Bracing Fair

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)	4.0	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	1.0	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
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1

2

3

Item	Monitor Description	Frequency
1	Downstream right abutment riprap scour	Anually

2

3

Sketch
(Select Signature)



Approach from Right Bank when facing downstream



Upstream from Crossing



Deck



Downstream from Crossing

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Approach from Left Bank when facing downstream



Attached to upstream girder web



Upstream Profile



Structure ID



Deck clips



Damage noted to stiffener on downstream left abutment girder



Right Bank Abutment when facing downstream



Treated ties and subdeck

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Eroding riprap downstream right abutment



Superstructure



Left Bank Abutment when facing downstream



Rail connection