

SQ-3113
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LILLOOET WEST 72.9km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 49°47'1.78" Longitude -122°13'34.7"

Site Status Active

Insp. Status Inspect

Crossing Name Fire Creek

FSR # 8407 Branch # 1

Road Name LILLOOET WEST

User km 72.9

Previous Load Rating (tonnes) 91

Structure Class Permanent Bridge

Portable N

Superstructure Steel I-beam

Deck Type Concrete Composite

Abutment Left Steel Pipe and Precast Pad

Abutment Right Steel Pipe and Precast Pad

Spans 1

Total Length (m) 32.5

Deck Width (m) 4.3

Updated Data

Latitude °0'0" Longitude °0'0"

HD Diff. (m) 5541910.4 Accuracy (m)

Inspection

Date of Inspection 2022-09-27 10:32:56 AM

Recommended Next Inspection 2023

Inspector Name Forrest Simpson

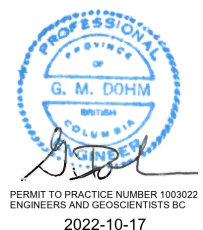
Inspection Company MoF

Inspector Comments Serial/ID Plate

Concrete/steel girders. Hairline fractures have been identified and tagged previously (unknown when) New ones have appeared and grown since. Significant corrosion/flaking of girders under deck joints. Recommend close proximity inspection. Post inspection comments: tagged hairline cracks date back to 15 years or more. Hairline cracks in this type of girder is expected as determined by previous studies. Monitor during routine inspections, per g.dohm

P.Eng Comments

Load Rated by: MOF, Greg Dohm, PEng., Oct. 5, 2022
Load Rating: L100 or 91 tonnes
Next Inspection: 2025
Comments:



PERMIT TO
PRACTICE: 1003022

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Approach

Alignment Fair

Slight Hump

Bridge Ahead Signs
Missing

☒ 0 ☐ 1 ☐ 2

Brushing Required N

Delineator Missing
Left

☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right

☒ 0 ☐ 1 ☐ 2

Fender Condition Poor

None

Posted Load Rating 68

Road Surface Good

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete Good

Caps or Sills

Piles or Posts Fair

Ballast Wall Good

Wing Wall

Bracing Fair

Hardware Fair

Fill Good

Riprap Good

Bearings Fair

Bulging pads left bank

Corrosion Protection Fair

Worn

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Deck

Running Surface **Good**

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck **Fair** Minor surface damage. Rebar exposed underside.

Grout Pockets **Good**

Deck Joints **Fair** Grout worn

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts **Good** New wood rails and risers

Hand Rails/Walkouts

Hardware

Overall Deck Condition **Good**

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Fair

Hairline cracks present in concrete. Corrosion.

Diaphragms Fair

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) .3

High Water ☐

Debris ☐

Estimated Present Water Level Width (m) 15

Aggradation ☐

Scour ☐

Estimated High Water Level Clearance 5

Ic ☐

Comments

Repairs and Monitoring

Repair Item	Repair Description
1 Approach. Approach fenders (install). 4 # of units. Priority:High	Install approach barriers

2

3

4

5

6

7

Item	Monitor Description	Frequency
1	Hairline fractures in girders, corrosion/flaking	Routine Inspection

2	Deck for further damage	Routine Inspection
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3



Approach from Right Bank when facing downstream



Deck



Load Rating Sign



Deck



Deck



Approach from Left Bank when facing downstream



First panel, left bank underside. Rebar showing



Bearing



Superstructure



Superstructure



Superstructure



Left Bank Abutment when facing downstream



Superstructure, corrosion under deck joints



Bearing



Left Bank Abutment when facing downstream



Superstructure



Superstructure



Upstream from Crossing