

CK-2240
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SPUZZUM 5km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 49°40'29.39" Longitude -121°28'16.7"

Site Status Active

Insp. Status Inspect

Crossing Name 5 Mile Creek

FSR # 8128 Branch # 1

Road Name SPUZZUM

User km 5

Previous Load Rating (tonnes) 64

Structure Class Permanent Bridge

Portable N

Superstructure Concrete Slab Girders

Deck Type Concrete

Abutment Left Concrete Cast in Place

Abutment Right Concrete Cast in Place

Spans 1

Total Length (m) 19.3

Deck Width (m) 7.2

Updated Data

Latitude °0'0" Longitude °0'0"

HD Diff. (m) 5529777.1 Accuracy (m)

Inspection

Date of Inspection 2022-11-02 9:46:15 AM

Recommended Next Inspection 2023

Inspector Name Cameron VandenBrink, EIT

Inspection Company Chartwell Resource Group Ltd

Inspector Comments Serial/ID Plate

2 road slope failures visible from air within 200m of structure on left approach. Requires professional inspection prior to use. Upstream left cast in place appears to be into a newly exposed boulder not bedrock. If boulder continues to undermine, the weight of the structure will be supporting it, or it is a failure risk. Downstream right footing exposed. Left cip appears to be into bedrock entire length. All riprap gone.

P.Eng Comments

Load Rated by: MoF, M.Lowe, RPF, PEng, February 16, 2023

Load Rating: 5 Tonnes GVW

Next Inspection: September 1, 2023

Comments: Recommend downrating to 5 tonne until abutment repair plan is formulated.



PERMIT TO
PRACTICE: 1003022

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Approach

Alignment Fair

HC both approaches

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required N

Minor around fenders

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Fair

Upstream left undermined, further erosion will result in it falling into channel

Posted Load Rating

Not posted

Road Surface Fair

Cobbles deposited on road on right abutment

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete Fair

Cast in place appears in good condition from below.

Caps or Sills

Piles or Posts

Ballast Wall

Wing Wall Fair

Footing on downstream right exposed. Requires professional inspection. Downstream left in good condition.

Bracing

Hardware

Fill Fair

Poor- at risk on both upstream corners and down stream right

Riprap Fair

Poor - all washed away

Bearings Unrated

Can not access

Corrosion Protection

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Deck

Running Surface Fair Cobbles deposited on road on right abutment

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck Fair Outside 2 girders not shear connected. Differential settlement noted

Grout Pockets

Deck Joints Fair Outside 2 joints appear to seep. Water visible below.

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Good

Hand Rails/Walkouts

Hardware Good

Overall Deck Condition Good

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Good

6 slabs wide, outside 2 not shear connected

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted
shear connectors Good

Inside 4 grouted

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) 4 Aggradation ☐ Scour ☒

Estimated High Water Level Clearance 1.2 Ic ☐

Comments Did not list repairs as entire structure needs re-evaluation.

Repairs and Monitoring

Repair Item Repair Description

1

2

3

4

5

6

7

Item

Monitor Description

Frequency

1

2

3



Approach from Right Bank when facing downstream



Downstream from Crossing



Upstream from Crossing



Approach from bridge deck of Right bank approach when facing downstream



Approach from bridge deck of Left bank approach when facing downstream



Approach from Left Bank when facing downstream



Upstream Profile



Right Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Right Bank Abutment when facing downstream



Downstream Profile