

CK-2525
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BIG SILVER 2.5km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 49°36'2.8"
Longitude -121°49'55.3"

Site Status Active

Insp. Status Inspect

Crossing Name Side Creek

FSR # 5748 Branch # 30

Road Name BIG SILVER

User km 2.5

Previous Load Rating (tonnes) 68

Structure Class Temporary Bridge

Portable N

Superstructure Steel I-beam

Deck Type Concrete Removable

Abutment Left Concrete Lock Blocks

Abutment Right Concrete Lock Blocks

Spans 1

Total Length (m) 16.2

Deck Width (m) 4.9

Updated Data

Latitude 49°36'3.03"
Longitude -121°49'56.02"

HD Diff. (m) 16.1 Accuracy (m) 4

L75 or 68 tonnes

Inspection

Date of Inspection 2022-11-16 9:35:20 AM

Inspector Name Tyson Miller

Recommended Next Inspection 2025

Inspection Company

Inspector Comments

P.Eng Comments

Repair damage to all concrete deck panels as per the Concrete Repair Guide for Concrete Bridge Components MoFLNRO (2017). Replace all deck panel joints (poured sealant backed with okum). Replace the guardrail, risers and blocks. Remove the sediment and debris from the deck and brush approaches. Monitor the riprap condition at the right bank for further erosion. The current load rating of L75 or 68 tonnes to continue.



PERMIT TO
PRACTICE: 1003022

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Approach

Alignment Fair

HC and VC left approach, VC right approach

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required Y

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Good

Posted Load Rating 0 Not posted

Road Surface Good

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete Good 4x lock blocks each abutment

Caps or Sills Fair Fruiting body visible at right bank but still functional

Piles or Posts

Ballast Wall Good Concrete

Wing Wall Good Lock blocks

Bracing

Hardware Good Geogrid between each row of lock blocks

Fill Good

Riprap Fair Erosion of the base layer noted at the right bank - monitor

Bearings Good

Corrosion Protection

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Deck

Running Surface Fair Sediment on deck

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts Good Clips

Concrete Deck Fair Damage noted on some panels

Grout Pockets

Deck Joints Poor Most joints have failed (non-existent)

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Poor Risers and blocks are rotting

Hand Rails/Walkouts

Hardware Fair Loose rail bolts

Overall Deck Condition Poor Due to rail condition

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Good

Diaphragms Good 3 bolted bays

Bracing Good

Under Trussing

Hardware Good

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)	0.2	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	3.0	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance	3.0	Ic	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
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- 1 Structure. Full Curb Replacement. .
Priority:Medium
- 2 Approach. Area/sight line brushing. m².
Priority:Medium
- 3 Structure. Clean Deck.
Priority:Medium
- 4 Structure. Joint replacement. m². Priority:High
- 5 Structure. Concrete structural maintenance. m².
Priority:Medium

6

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Item	Monitor Description	Frequency
1	Right bank riprap condition	Routine Inspection
2		
3		



Approach from Left Bank when facing downstream



Approach from Left Bank when facing downstream



Approach from Left Bank when facing downstream



Deck



No compression seal



No compression seal



Upstream from Crossing



Downstream from Crossing



Downstream right bank concrete damage



Approach from Right Bank when facing downstream



Upstream panel 1 right bank concrete damage



Left Bank Abutment when facing downstream



Fruiting body on left bank timber sill



Superstructure



Concrete damage on panel 2 and 3



Right Bank Abutment when facing downstream

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Deck clips