

CK-2525
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BIG SILVER 2.5km

2020 Inspection

CBR iPad Offline Ver 0.33



CBR Data

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

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 °0'0" Longitude °0'0"

HD Diff. (m) 5521533.3 Accuracy (m)

L75 or 68 tonnes

Inspection

Date of Inspection 2020-06-04 9:10:12 AM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2023

Inspection Company FLNRORD

Inspector Comments

P.Eng Comments

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



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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 Not posted

Road Surface Good

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete Good 4 rows

Caps or Sills Good Fruiting body present on right bank sill but functioning well

Piles or Posts

Ballast Wall Good Concrete

Wing Wall Good

Bracing

Hardware Good Geogrid between each row of blocks

Fill Good

Riprap Fair Scour noted at right bank

Bearings Good

Corrosion Protection

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Deck

Running Surface Fair Sediment and debris on deck

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts Good

Concrete Deck Fair Damage noted on some panels

Grout Pockets

Deck Joints Poor Missing some seals completely and others failing

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Fair

Hand Rails/Walkouts

Hardware Fair

Overall Deck Condition Fair

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Good Minor corrosion

Diaphragms Good

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)	3.5	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	3.0	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
1 Structure. Concrete structural maintenance. m². Priority:Medium	Repair damage to concrete components
2 Approach. Area/sight line brushing. m². Priority:Low	Brush approaches
3 High	Replace all deck joint seals
4 Medium	Remove sediment and debris from deck
5 Medium	Repair scoured riprap at right abnk
6	
7	

Item	Monitor Description	Frequency
1	Riprap scour at right bank	
2		
3		



Approach from Left Bank when facing downstream



Approach from Left Bank when facing downstream



Deck



Rubber mats along both edges of deck



Missing deck joint seals



Upstream from Crossing



Downstream from Crossing



Damage to to ballast wall and deck panel at right approach



Approach from Right Bank when facing downstream



Bearing



Left Bank Abutment when facing downstream



Damage to panel 1 at right approach



Damage to panel 1 at right approach



Deck clips



Material placed between



Right Bank Abutment when facing downstream



Riprap scour at right bank