CK-2369
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SPUZZUM 24000 2.3km

2022 Inspection

CBR iPad Offline Ver 0.36

BRITISH COLUMBIA

CBR Data

Latitude	Longitude
49°44'9.6"	-121°39'35.3"

Site Status	Active
Insp. Status	Inspect
Crossing Name	side creek
FSR #	8128
Branch #	21
Road Name	SPUZZUM 24000
User km	2.3
Previous Load Rating (tonnes)	68
Structure Class	Permanent Bridge
Portable	N
Superstructure	Steel I-beam
Deck Type	Concrete Removable
Abutment Left	Steel Pipe and Precast Pad
Abutment Right	Steel Pipe and Precast Pad
Spans	1
Total Length (m)	27.5
Deck Width (m)	4.9

Updated Data

Latitude	Longitude
49°44'9.92"	-121°39'35.72"

HD Diff. (m)	13.0	Accuracy (m)	5

Inspection

Date of Inspection: 2022-11-02 8:50:46 AM

Inspector Name: Cameron VandenBrink, EIT

Inspector Comments: Serial/ID Plate

Recommended Next Inspection: 2024

Inspection Company: Chartwell Resource Group Ltd

P.Eng Comments

Load Rated by: MoF, M.Lowe, RPF, PEng, February 16, 2023
Load Rating: 5 Tonnes GVW
Next Inspection: September 1, 2025
Comments: Load rating only due to guard rail condition. Replace rails prior to next use.

PERMIT TO PRACTICE: 1003022

Approach

Alignment	Fair	HC and vc left approach, HC 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	Fair	Potholes each end

Abutment

Log/Timber Cribs		
Tie Backs		
Bin Wall		
Pier		
Concrete		
Caps or Sills		
Piles or Posts	Good	
Ballast Wall	Fair	Damage at tops of both abutments
Wing Wall		
Bracing	Good	
Hardware		
Fill	Good	
Riprap	Good	
Bearings	Fair	Bulging
Corrosion Protection	Good	

Deck

Running Surface		Potholes each end
Running Planks		
Sub Deck		
Ties		
Nails		
Deck to Girder Bolts	Good	
Concrete Deck	Fair	Various damage noted
Grout Pockets		
Deck Joints	Fair	Poor- does not appear to have been sealed.
Steel Deck Plate		
Gravel Surface		
Curb Rail/Blocks/Posts	Fair	Poor-rotten. No work done since 2019 inspection
Hand Rails/Walkouts		
Hardware	Poor	Loose rail bolts
Overall Deck Condition	Poor	Due to rail and deck condition.
Gravel Depth (mm)		
Pier Deck		

Steel/Concrete

Girders	Good	Very minor corrosion starting,
Diaphragms	Good	6 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

Hazards

Estimated Present Water Level Depth (m)	.2	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	11	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance	1.5	Ic ☐	

Comments

Repairs and Monitoring

	Repair Item	Repair Description
1	Structure. Full Curb Replacement. . Priority:Medium	Guardrail system replacement as called up in previous report.
2	Structure. Concrete structural maintenance. m². Priority:Medium	Deck panels and ballast walls. Add ballast to each approach once complete to limit impacts.
3	Approach. Area/sight line brushing. m². Priority:Low	Brush and grade
4		
5		
6		
7		

Item	Monitor Description	Frequency
1		
2		
3		

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Approach from Left Bank when facing downstream

Approach from bridge deck of Left bank approach when facing downstream

Upstream from Crossing

Downstream from Crossing

Approach from bridge deck of Right bank approach when facing downstream

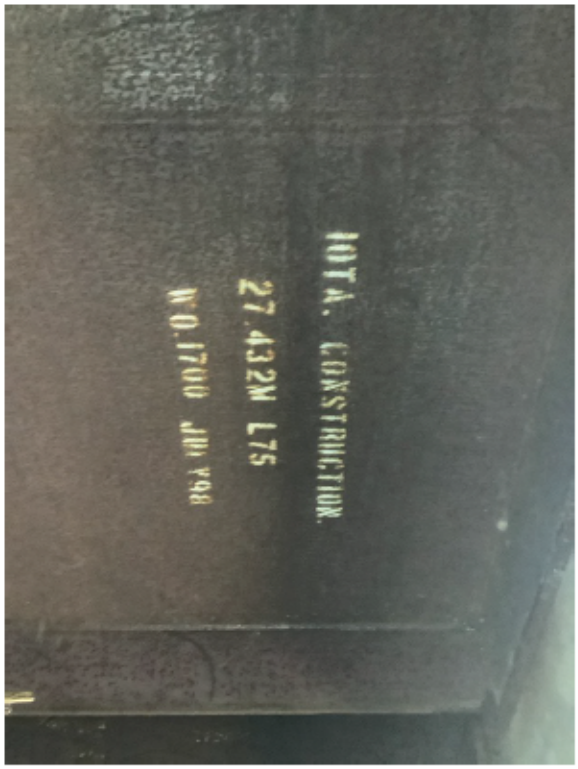
Approach from Right Bank when facing downstream

Right bank panel 1 ballast wall and panel damage

Left bank panel 1 ballast wall and panel damage

Bearing

Structure ID



Superstructure

Deck to girder bolt

Left Bank Abutment when facing downstream

Right Bank Abutment when facing downstream

Right bank bent bracing

Upstream Profile

Downstream Profile