CK-2241	SPUZZUM CREEK 25.4km	2016 Inspection

CBR iPad Offline Ver 0.23 SNT

CBR Data

Latitude	Longitude
49°44'15.79"	-121°41'22.8"

Crossing Name	not known		
FSR #	8128	Branch #	1
Road Name	SPUZZUM CREEK		
User km	25.4		
Current Load Rating (tonnes)	54		
Structure Class	Permanent Bridge		
Portable	N		
Superstructure	Compo Girders		
Deck Type	Concrete Composite		
Abutment Left	Steel Pipe and Precast Pad		
Abutment Right	Steel Pipe and Precast Pad		
Spans	1		
Total Length (m)	18.2		
Deck Width (m)	4.8		

Updated Data

Latitude	Longitude
49°44'15.94"	-121°41'22.44"

HD Diff. (m)	8.5	Accuracy (m)	5

Inspection

Date of Inspection	2016-07-23 10:39:36 AM		
Inspector Name	Jamie Rupar Gilliatt	Inspection Company	SNT Engineering

Inspector Comments

Guardrail, risers and blocking require replacement.

P.Eng Comments

Repair left abutment ballast wall; grade and brush approaches for industrial use; replace guardrail, risers and blocking; install bridge ahead signs; replace missing delineators; replace guide logs and remove debris from deck; all prior to industrial use. Present load rating of L60 or 54 tonnes to continue.

P.Eng Seal

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Approach

Alignment	Fair	Horizontal curve.
Bridge Ahead Signs Missing	○ 0 ○ 1 ● 2	
Brushing Required	Y	Obscuring bridge ends.
Delineator Missing Left	● 0 ○ 1 ○ 2	
Delineator Missing Right	○ 0 ● 1 ○ 2	
Fender Condition	Poor	Guide logs totally rotten.
Posted Load Rating		
Road Surface	Poor	Right approach below level of deck resulting in damage to ballast wall. Potholes and signs of ponding.

Abutment

Log/Timber Cribs	N/A	
Tie Backs	N/A	
Bin Wall	N/A	
Concrete	N/A	
Caps or Sills	N/A	
Piles or Posts	Good	
Ballast Wall	Fair	Left Abutment: spall in wheel track with exposed rebar and spall in upstream tapered section of ballast wall.
Wing Wall	N/A	
Bracing	Good	Only visible at left abutment.
Hardware	Fair	
Fill	Good	
Riprap	Good	
Bearings	Good	
Corrosion Protection	Good	

Deck

Running Surface	Fair	Right approach below level of deck resulting in damage to ballast wall. Potholes and signs of ponding.
Running Planks	N/A	
Sub Deck	N/A	
Ties	N/A	
Nails	N/A	
Deck to Girder Bolts	N/A	
Concrete Deck	Fair	Covered in debris, limited inspection.
Grout Pockets	Unrated	Not visible, deck covered in debris.
Deck Joints	N/A	
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Poor	Two risers rotted out, and rot noted in approximately half of blocking. Pockets of rot noted in a few guardrail sections, large checks also noted.
Hand Rails/Walkouts	N/A	
Hardware	N/A	
Overall Deck Condition	Fair	
Gravel Depth (mm)		

Steel/Concrete

Serial/ID Plate	No ID Tag in place	
Girders	Good	Compo girders.
Diaphragms	Good	
Bracing	N/A	
Under Trussing	N/A	
Hardware	N/A	
Welded/grouted shear connectors	N/A	

Log

Log Curbs	N/A
Needle Beam	N/A
Needle Lashing/ Shimming	N/A

			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)	0.5	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	2	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	3	Ice ☐	

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	High	Replace guardrail, risers and blocking. 16 900x250x250 mm blocking, 16 700x250x250 mm riser, 4 4800x250x250 mm guardrail and 3500x250x250 mm guardrail. Remove debris from deck.
2	Medium	Install bridge ahead signs, and left abutment upstream delineator. Replace guide logs.
3	Medium	Repair left abutment ballast wall, regrade and brush approaches for industrial use.

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)

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Left Approach Facing Bridge

Left Approach Facing Away From Bridge

Left Abutment Damaged Ballast Wall

Deck

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Rotten Guardrail Blocking

Looking Downstream

Looking Upstream

Right Approach Facing Away From Bridge

CK-2241 SPUZZUM CREEK 25.4km 2016 Inspection

Right Approach Facing Bridge

Right Bank Abutment

Left Bank Abutment

Upstream Elevation

CK-2241 SPUZZUM CREEK 25.4km 2016 Inspection

Downstream Elevation

Girders

Spall in Left Abutment Upstream Section of Ballast Wall

Typical Girder Condition