

CK-2235

SCUZZY CREEK 6.6km

2016 Inspection



CBR iPad Offline Ver 0.23 SNT

CBR Data

Latitude	Longitude		
49°49'55.09"	-121°28'53.3"		
Crossing Name	Scuzzy Creek		
FSR #	8127	Branch #	1
Road Name	SCUZZY CREEK		
User km	6.6		
Current Load Rating (tonnes)	68		
Structure Class	Temporary Bridge		
Portable	N		
Superstructure	Steel I-beam		
Deck Type	Timber - Untreated		
Abutment Left	Concrete Lock Blocks		
Abutment Right	Concrete Lock Blocks		
Spans	1		
Total Length (m)	24.5		
Deck Width (m)	4.4		

Updated Data

Latitude	Longitude		
49°49'54.49"	-121°28'54.51"		
HD Diff. (m)	30.5	Accuracy (m)	5
30 tonnes			

Inspection

Date of Inspection 2016-07-24 1:13:45 PM

Inspector Name Jamie Rupar Gilliatt

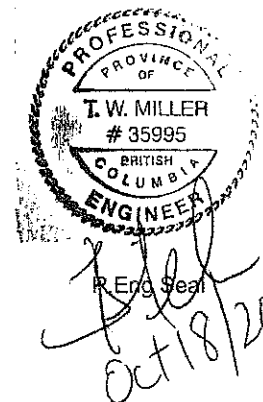
Inspection Company SNT Engineering

Inspector Comments

Substructure replaced since previous inspection. Deck and guardrail require replacement. Drilled deck at 11 locations where rot identified in ends of ties. Pockets of rot noted in 10 drilled locations. Pockets typically 100-150 mm deep at interface between sub deck and ties with one location of 300 mm deep pocket. Typically 75 -125 mm pockets of rot noted in top of ties. 5 adjacent ties at right abutment drilled, 4 found to have typical rot at interface with sub deck. Bridge currently posted for 5 tonnes.

P.Eng Comments

Replace entire deck system (ties, subdeck, wear planks, guardrail and risers). Limit loading to 30 tonnes until such time. Update load rating sign and post bridge ahead signs.



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Approach

Alignment Fair On S turn.

Bridge Ahead Signs Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required N

Delineator Missing Left ☒ 0 ☐ 1 ☐ 2 Small aluminum delineators.

Delineator Missing Right ☒ 0 ☐ 1 ☐ 2 Small aluminum delineators.

Fender Condition Fair Typically large boulders with undersized guide log at left abutment downstream corner.

Posted Load Rating 5

Road Surface Fair

Abutment

Log/Timber Cribs N/A

Tie Backs N/A

Bin Wall N/A

Concrete Good Lock blocks appear to have been replaced since previous inspection.

Caps or Sills Good Timber sill replaced since previous inspection. Girders bear evenly on sill.

Piles or Posts N/A

Ballast Wall Good Ballast walls replaced since previous inspection.

Wing Wall N/A

Bracing N/A

Hardware Fair

Fill Good

Riprap Good New riprap installed since previous inspection.

Bearings N/A

Corrosion Protection N/A

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Deck

Running Surface	Fair	
Running Planks	Fair	75 mm planks. Debris accumulation limited visible deck. 1 rotten plank on upstream side, light wear in wheel tracks and typical pockets of rot at ends of deck panels.
Sub Deck	Poor	Typically 25 mm of rot noted in sub deck at interface with ties.
Ties	Poor	21 ties noted to have pockets of rot at ends, including 5 adjacent ties at right end.
Nails	Fair	
Deck to Girder Bolts	Fair	
Concrete Deck	N/A	
Grout Pockets	N/A	
Deck Joints	N/A	
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Poor	Rot and fungal growth noted in majority of guardrail.
Hand Rails/Walkouts	N/A	
Hardware	Good	Dowels and bolted connection to lock blocks and ballast wall.
Overall Deck Condition	Poor	Rot in ties and in guardrail.
Gravel Depth (mm)		

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Steel/Concrete

Serial/ID Plate No ID Tag.

Girders Good

Diaphragms Good

Bracing Good

Under Trussing N/A

Hardware N/A

All welded connections.

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

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Hazards

Estimated Present Water Level Depth (m)	0.5	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	10	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	3	Ice	☐		

Comments

Repairs and Monitoring

Repair		Repair Description
Item	Priority	
1	High	Replace ties, sub deck and wearing planks. 3 m long panels with 200x250 mm ties @ 400 c/c. Clear deck width of 4550 mm. 75 mm thick wearing planks and 100 mm thick sub deck.
2	High	Replace guardrail. 3 m panels with 2 650x250x250 mm risers each side, and 250x250 mm guardrail.
3	Medium	Install bridge ahead signs and full size delineators.

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)



Left Approach Facing Bridge



Deck



Left Approach Facing Away From Bridge



Guard Rail



Right Approach Facing Away From Bridge



Looking Upstream



Right Approach Facing Bridge



Looking Downstream



Typical New Sill & Lock Blocks



Left Bank Abutment



Typical Girder Bearing on Sill



Girders



Ballast Wall & Fabricator



Upstream Elevation



Downstream Elevation



Rot Found in 5 Adjacent Ties at Right Abutment

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Rot in Ends of Ties Shown in Orange



Right Bank Abutment



Structure Details



Load Posting