

SC-8399
SC-8399

BRITAIN RIVER 1.03km

2022 Inspection

CBR iPad Offline Ver 0.36



CBR Data

Latitude 49°59'34"
Longitude -124°0'50"

Site Status Active

Insp. Status Inspect

Crossing Name Treth Creek

FSR # 6104 Branch # 1

Road Name BRITAIN RIVER

User km 1.03

Previous Load Rating (tonnes) 136

Structure Class Permanent Bridge

Portable N

Superstructure Steel I-beam

Deck Type Concrete Composite

Abutment Left Steel Pipe and Precast Pad

Abutment Right Steel Pipe and Precast Pad

Spans 1

Total Length (m) 12.2

Deck Width (m) 4.88

Updated Data

Latitude °0'0"
Longitude °0'0"

HD Diff. (m) 5565170.6 Accuracy (m)

Inspection

Date of Inspection 2022-09-27 1:31:01 PM

Inspector Name Richard Mills

Recommended Next Inspection

Inspection Company MoF

Inspector Comments Serial/ID Plate

Deck panel (2nd from right side) has 3 small, (approx 200mm long sections) with efflorescence. No rust stain visible. Sections are separated by approx. 1m between them. Not continuous. Cracks are not visible, just efflorescence.

P.Eng Comments

Load Rated by: Richard Mills, P.Eng. Feb 6, 2023
Load Rating: L150 or 136 tonnes
Next Inspection: 2024
Comments: Replace guardrails. Monitor deck panel.



PERMIT TO PRACTICE: 1003022

SC-8399
SC-8399

BRITAIN RIVER 1.03km

2022 Inspection

CBR iPad Offline Ver 0.36



Approach

Alignment **Good**

Bridge Ahead Signs
Missing ☒ 0 ☐ 1 ☐ 2

Brushing Required **N**

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition **Good**

Posted Load Rating

Road Surface **Good**

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete **Good**

Caps or Sills **Fair** Girder not bearing correctly as previously detailed.

Piles or Posts **Good**

Ballast Wall **Fair** Broken to fit over cap on right, as previously detailed.

Wing Wall

Bracing **Good**

Hardware **Good**

Fill **Good**

Riprap **Good**

Bearings **Fair**

Corrosion Protection **Good**

SC-8399
SC-8399

BRITAIN RIVER 1.03km

2022 Inspection

CBR iPad Offline Ver 0.36



Deck

Running Surface **Good**

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck **Fair**

Grout Pockets **Good**

Deck Joints **Good**

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts **Poor** Rotten, broken.

Hand Rails/Walkouts

Hardware **Fair**

Overall Deck Condition **Fair**

Gravel Depth (mm)

Pier Deck

SC-8399
SC-8399

BRITAIN RIVER 1.03km

2022 Inspection

CBR iPad Offline Ver 0.36



Steel/Concrete

Girders Good

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

SC-8399
SC-8399

BRITAIN RIVER 1.03km

2022 Inspection

CBR iPad Offline Ver 0.36



Hazards

Estimated Present Water Level Depth (m)	0.3	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	2	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance	4	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
1 Structure. Full Curb Replacement. . Priority:High	Replace guardrails
2 Structure. Joint maintenance. m². Priority:Low	Minor concrete deck repair, upstream near centre. Approx 200mm x 200mm x 200mm

3

4

5

6

7

Item	Monitor Description	Frequency
1	Monitor left abutment (girder, ballast wall)	Routine Inspection
2	Monitor cracked deck, 2nd panel from end, right side	Routine Inspection

3

SC-8399
SC-8399

BRITAIN RIVER 1.03km

2022 Inspection

CBR iPad Offline Ver 0.36



Left Bank Abutment when facing downstream



Deck



Upstream Profile



Deck



SC-8399
SC-8399

BRITAIN RIVER 1.03km

2022 Inspection

CBR iPad Offline Ver 0.36



Downstream Profile



Right Bank Abutment when facing downstream



Deck



Left Bank Abutment when facing downstream



SC-8399
SC-8399

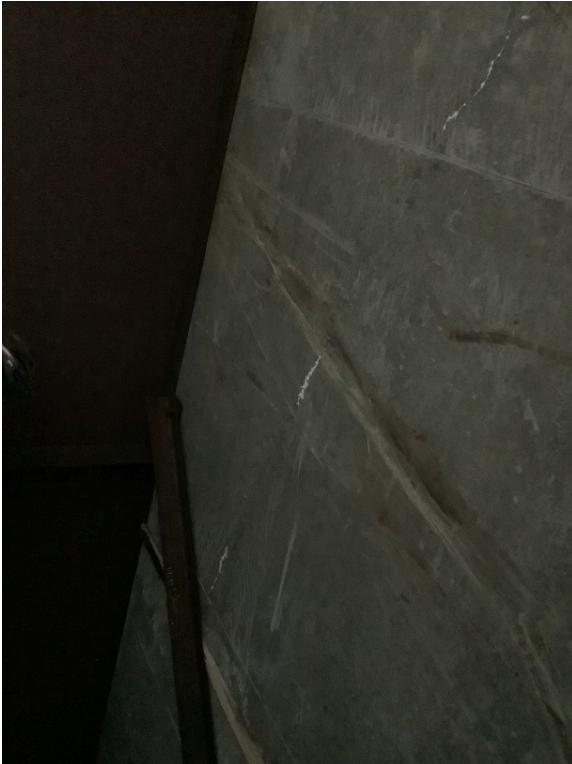
BRITAIN RIVER 1.03km

2022 Inspection

CBR iPad Offline Ver 0.36



2nd Deck panel from right.



Deck



Top of 2nd deck panel



Efflorescence 2nd panel from right

