

CK-2442
2442

AMERICAN 4700 0.15km

2020 Inspection

CBR iPad Offline Ver 0.33



CBR Data

Latitude 49°25'41.8" Longitude -121°29'16.9"

Crossing Name American Creek

FSR # 8123 Branch # 8

Road Name AMERICAN 4700

User km 0.15

Previous Load Rating (tonnes) 68

Structure Class Permanent Bridge

Portable N

Superstructure Steel Box Beam

Deck Type Steel

Abutment Left Other

Abutment Right Steel Pipe and Precast Pad

Spans 1

Total Length (m) 21.3

Deck Width (m) 4.88

Updated Data

Latitude °0'0" Longitude °0'0"

HD Diff. (m) 5502330.7 Accuracy (m)

L75 or 68 tonnes

CIP rock pad with steel column

Inspection

Date of Inspection 2020-05-28 9:39:16 AM

Inspector Name Tyson Miller

Inspector Comments

Recommended Next Inspection Year 2023

Inspection Company FLNRORD

P.Eng Comments

Brush and grade approaches. Post bridge ahead signs. Reinstall the down stream left bank log fender prior to industrial activity. The current load rating of L75 or 68 tonnes to continue.



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Approach

Alignment Good

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Y

Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Fair

D/S left bank has rolled off road edge

Posted Load Rating

Not posted

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills Good

Piles or Posts Good

Only visible at right bank

Ballast Wall Fair

Wing Wall

Bracing Good

Only visible at right bank

Hardware

Fill Good

Riprap Good

Bearings Good

Corrosion Protection Good

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Deck

Running Surface **Good**

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck

Grout Pockets

Deck Joints

Steel Deck Plate **Fair** Minor deformation along sections on wheel path

Gravel Surface

Curb Rail/Blocks/Posts **Good**

Hand Rails/Walkouts

Hardware

Overall Deck Condition **Fair**

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Good

Diaphragms Unrated Internal

Bracing Unrated Internal

Under Trussing

Hardware

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)	1.0	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	15.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	5.0	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Repair Description
1 Approach. Area/sight line brushing. m ² . Priority:High	Brush approaches when active
2 Approach. Bridge Ahead Signs. # of signs. Priority:Low	Post bridge ahead signs
3 Approach. Approach surfacing grading. m. Priority:Low	Grade approaches
4 Low	Reinstall down stream left bank log fender

5

6

7

Item	Monitor Description	Frequency
1		
2		
3		



Approach from Left Bank when facing downstream



Deck



Upstream from Crossing



Downstream from Crossing



Approach from Right Bank when facing downstream



Structure ID



Structure ID



Left Bank Abutment when facing downstream



Superstructure



Deck



Right Bank Abutment when facing downstream



Minor damage noted to both ballast walls