

CK-2040
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MAISAL 2.8km

2020 Inspection

CBR iPad Offline Ver 0.33



CBR Data

Latitude 49°23'1.5" Longitude -122°1'22.9"

Crossing Name Lower Bentley Creek

FSR # 8241 Branch # 8

Road Name MAISAL

User km 2.8

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) 15.2

Deck Width (m) 4.9

Updated Data

Latitude 49°23'.86" Longitude -122°1'23.55"

HD Diff. (m) 23.8 Accuracy (m) 5

L150 or 136 tonnes

Inspection

Date of Inspection 2020-05-21 1:07:53 PM

Inspector Name Tyson Miller

Recommended Next Inspection Year 2023

Inspection Company FLNRORD

Inspector Comments

P.Eng Comments

Replace guardrail, risers and blocks. Brush approaches. Replace missing delineator and post bridge ahead signs. The riprap is round, not well graded or keyed into the stream bed, monitor its condition. The current load rating of L150 or 136 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

Posted Load Rating Not posted

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete

Caps or Sills

Piles or Posts Good

Ballast Wall Good

Wing Wall

Bracing Good

Hardware

Fill Good

Riprap Fair Round, not well graded and slightly scoured

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 Fair

Grout Pockets Good

Deck Joints Good

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Poor Rotten

Hand Rails/Walkouts

Hardware Poor Loose rail bolts

Overall Deck Condition Poor Due to rail condition

Gravel Depth (mm)

Pier Deck

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Steel/Concrete

Girders Good

Diaphragms Good 4 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
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Hazards

Estimated Present Water Level Depth (m)	0.5	High Water	☒	Debris	☒
Estimated Present Water Level Width (m)	8.0	Aggradation	☐	Scour	☒
Estimated High Water Level Clearance (m)	0.5	Ice	☐		

Comments Riprap is round and not keyed together and subject to scour
Trees in stream, noted immediately up and downstream from crossing

Repairs and Monitoring

Repair Item	Repair Description
1 Approach. Approach surfacing grading. m. Priority:Low	Brush approaches
2 Approach. Bridge Ahead Signs. # of signs. Priority:Low	Post bridge ahead signs
3 Structure. Full Curb Replacement. . Priority:Medium	Replace rail, risers and blocks
4 Structure. Delineator maintenance. . Priority:Low	Replace missing delineator

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Item	Monitor Description	Frequency
1	Riprap condition	Routine Inspection
2		
3		



Approach from Right Bank when facing downstream



Guard Rail



Deck



Upstream from Crossing



Downstream from Crossing



Approach from Left Bank when facing downstream



Right Bank Abutment when facing downstream



Superstructure



Left Bank Abutment when facing downstream