

CK-2510

BOULDER 2.5km

2019 Inspection



CBR iPad Offline Ver 0.28

CBR Data

Latitude	Longitude		
49°18'42.19"	-121°59'59.2"		
Crossing Name	Unknown		
FSR #	8241	Branch #	17
Road Name	BOULDER		
User km	2.5		
Current Load Rating (tonnes)	63		
Structure Class	Permanent Bridge		
Portable	N		
Superstructure	Concrete Slab Girders		
Deck Type	Concrete		
Abutment Left	Steel Pipe and Precast Pad		
Abutment Right	Steel Pipe and Precast Pad		
Spans	1		
Total Length (m)	12		
Deck Width (m)	8		

Updated Data

Latitude	Longitude		
49°18'42.66"	-121°59'59.05"		
HD Diff. (m)	14.5	Accuracy (m)	10

BCL-625 or 63 tonnes

Inspection

Date of Inspection 2019-03-28 1:09:18 PM

Recommended Next Inspection Year 2022

Inspector Name Tyson Miller

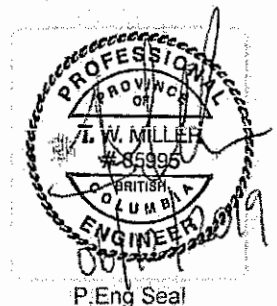
Inspection Company MFLNRO

Inspector Comments

Concrete slab dimensions = 490mm depth x 1000mm width x 12000mm long with 5 welded shear connectors per slab

P.Eng Comments

Repair damaged upstream slab girder consistent with the Concrete Repair Guide for Concrete Bridge Components; replace the guardrail, risers and blocks; and post bridge ahead signs. At this length, width and depth of the individual concrete slabs the capacity of this structure could be L100 or 91 tonnes; HOWEVER the CEG doesn't have any structural or record drawings for this structure to verify, please send them in for review. In the meantime limit loading to BCL-625 or 63 tonnes.



P.Eng Seal

CK-2510

BOULDER 2.5km

2019 Inspection



CBR iPad Offline Ver 0.28

Approach

Alignment Fair

HC both approaches

 Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required N

 Delineator Missing
Left ☒ 0 ☐ 1 ☐ 2

 Delineator Missing
Right ☒ 0 ☐ 1 ☐ 2

Fender Condition Fair

Missing upstream right approach but rock face directs traffic onto deck

Posted Load Rating

Not posted

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Concrete

Caps or Sills Good

Concrete cap/wall combo

Piles or Posts Unrated

Buried in fill

Ballast Wall Good

Wing Wall

Bracing Unrated

Buried in fill

Hardware

Fill Fair

Riprap Fair

Bearings Good

Corrosion Protection Unrated

Buried steel components

CK-2510

BOULDER 2.5km

2019 Inspection

CBR iPad Offline Ver 0.28

**Deck**

Running Surface Fair

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck Unrated Too much sediment to properly assess

Grout Pockets

Deck Joints

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Poor Rotten risers and blocks

Hand Rails/Walkouts

Hardware Poor Loose rail

Overall Deck Condition Poor Due to rail condition

Gravel Depth (mm)

CK-2510

BOULDER 2.5km

2019 Inspection



CBR iPad Offline Ver 0.28

Steel/Concrete

Girders Good

8 reinforced concrete slabs, minor damage noted at upstream girder

Diaphragms

Bracing

Under Trussing

Hardware

Welded/grouted
shear connectors Good

Welded

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

CK-2510

BOULDER 2.5km

2019 Inspection

CBR iPad Offline Ver 0.28



Hazards

Estimated Present Water Level Depth (m)	0.3	High Water	☒	Debris	☒
Estimated Present Water Level Width (m)	4.0	Aggradation	☒	Scour	☒
Estimated High Water Level Clearance (m)	0	Ice	☐		

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	Replace guardrail, risers and blocks
2	Low	Post bridge ahead signs
3	Medium	Repair damage noted to upstream girder

Item	Monitor Description	Frequency
1	Inlet condition	Routine Inspection
2		
3		

Sketch
(Select Signature)



Approach from Right Bank when facing downstream



Upstream from Crossing



Approach from Right Bank when facing downstream



Downstream from Crossing



Fender log inside running width



Deck



Approach from Left Bank when facing downstream



Upstream Profile



Damage to upstream concrete slab



Right Bank Abutment when facing downstream



Sideblock condition



Superstructure

CK-2510

BOULDER 2.5km

2019 Inspection



Left Bank Abutment when facing downstream