

CK-2368

KAREN 0.2km

2019 Inspection



CBR iPad Offline Ver 0.31

CBR Data

Latitude Longitude
 49°28'29.3" -121°14'56.7"

Crossing Name Dewdney Creek

FSR # 8240 Branch # 1

Road Name KAREN

User km 0.2

Previous Load Rating (tonnes) 68

Structure Class Permanent Bridge

Portable N

Superstructure Steel I-beam

Deck Type Concrete

Abutment Left Other

Abutment Right Other

Spans 1

Total Length (m) 24.4

Deck Width (m) 4.9

Updated Data

Latitude Longitude
 49°28'29.61" -121°14'56.27"

HD Diff. (m) 12.8 Accuracy (m) 10

L75 or 68 tonnes

Steel Columns on Cast in Place

Steel Columns on Cast in Place

Inspection

Date of Inspection 2019-04-30 9:33:42 AM

Recommended Next Inspection Year 2022

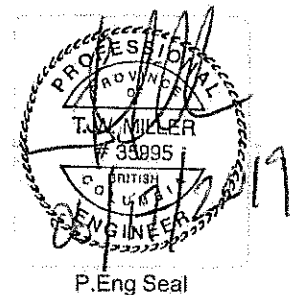
Inspector Name Tyson Miller

Inspection Company FLNRORD

Inspector Comments

P.Eng Comments

Replace missing delineators; post bridge ahead signs; replace missing guardrail bolts; replace guardrail washers with 75mm diameter galvanized malleable iron washers; reset all concrete no post barriers; and repair damage noted to the deck panel and ballast wall consistent with the Concrete Repair Guide for Concrete Bridge Components. The current load rating of L75 or 68 tonnes to continue.



P.Eng Seal

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Approach

Alignment Fair

HC right approach, VC left approach

 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

Not posted

Road Surface Fair

Abutment

Log/Timber Cribs

Tie Backs

Bin Wall

Pier

Concrete Good

CIP noted upstream right bank

Caps or Sills

Piles or Posts Good

Ballast Wall Fair

Minor damage noted and had to shaped to fit over CIP at upstream right bank

Wing Wall

Bracing Good

None at right bank due to short pipe height

Hardware

Fill Good

Riprap Good

Bearings Fair

Minor steel delamination at left bank

Corrosion Protection Fair

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**Deck**

Running Surface Fair

Running Planks

Sub Deck

Ties

Nails

Deck to Girder Bolts

Concrete Deck Good

Grout Pockets Good

Deck Joints Good

Steel Deck Plate

Gravel Surface

Curb Rail/Blocks/Posts Fair Timbers do not appear that old but missing bolts and not using correct washer size

Hand Rails/Walkouts

Hardware

Overall Deck Condition

Gravel Depth (mm)

Pier Deck

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**Steel/Concrete**

Girders Good

Diaphragms Good 6 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)	3.0	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	12.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	10	Ice	☐		

Comments

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	Medium	Reset all concrete no post barriers prior to industrial traffic
2	Medium	Replace delineators, post bridge ahead signs, and replace missing rail bolts and small washers with correct size
3	Medium	Repair damage to concrete and clean debris and sediment from bearing locations

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)



Approach from Left Bank when facing downstream



No post barriers falling off road and or unconnected



Missing bullnose at upstream left bank



Deck



Upstream from Crossing



Downstream from Crossing



Approach from Right Bank when facing downstream



Missing bullnose at downstream right bank, it's over the bank



Ballast wall appears to have been cut to fit over CIP at upstream right bank



Missed rail bolt and only small washers used



Damage to panel 1 at right bank



Damage to ballast wall at right bank



Structure ID



Missing washers on rail bolts



Left Bank Abutment when facing downstream



Superstructure