

CK-2370

KAREN 1.81km

2019 Inspection



CBR iPad Offline Ver 0.31

CBR Data

Latitude	Longitude
49°27'42.19"	-121°15'3.4"
Crossing Name	Karen Creek
FSR #	8240
Branch #	1
Road Name	KAREN
User km	1.81
Previous Load Rating (tonnes)	68
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)	21.6
Deck Width (m)	4.88

Updated Data

Latitude	Longitude
49°27'41.2"	-121°15'3.3"
HD Diff. (m)	31.0
Accuracy (m)	10
1.8	
L75 or 68 tonnes	

Inspection

Date of Inspection 2019-04-30 10:08:12 AM

Inspector Name Tyson Miller

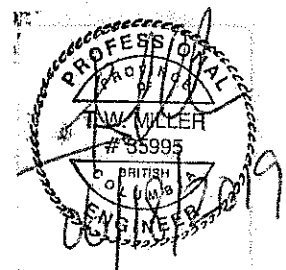
Inspector Comments Serial/ID Plate 12699

Recommended Next Inspection Year 2022

Inspection Company FLNRORD

P.Eng Comments

Replace guardrail, risers and blocks. Clean sediment off deck and steel girders. Replace missing delineators and post bridge ahead signs. The current load rating of L75 or 68 tonnes to continue.



P.Eng Seal

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Approach

Alignment Fair

HC and VC both approaches

Bridge Ahead Signs
Missing ☐ 0 ☐ 1 ☒ 2

Brushing Required Y

Delineator Missing
Left ☐ 0 ☒ 1 ☐ 2Delineator 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

Caps or Sills

Piles or Posts Good

Ballast Wall Good

Wing Wall

Bracing

Hardware

Fill Good

Riprap Good

Bearings Fair Sediment burying upstream left location

Corrosion Protection Fair

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**Deck**

Running Surface	Poor	Due to sediment and water pooling on deck
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Running Planks		
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Sub Deck		
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Ties		
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Nails		
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Deck to Girder Bolts		
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Concrete Deck	Unrated	Buried in sediment
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Grout Pockets	Unrated	Buried in sediment but no leakage noted underneath
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Deck Joints	Unrated	Buried in sediment but no leakage noted underneath
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Steel Deck Plate		
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Gravel Surface		
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Curb Rail/Blocks/Posts	Poor	Rotten
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Hand Rails/Walkouts		
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Hardware	Poor	Loose rail bolts
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Overall Deck Condition	Poor	Due to rail condition and sediment on deck
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Gravel Depth (mm)		
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Pier Deck		
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Steel/Concrete

Girders Good

Diaphragms Good 5 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)	0.2	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	6.0	Aggradation	☐	Scour	☐
Estimated High Water Level Clearance (m)	2.0	Ice	☐		

Comments

Repairs and Monitoring

Repair

Item	Priority	Repair Description
1	High	Replace guardrail, risers and blocks prior to industrial activity
2	High	Clean sediment off deck
3	Medium	Clean bearings, replace missing delineators and post bridge ahead signs

Item	Monitor Description	Frequency
1		
2		
3		

Sketch
(Select Signature)



Approach from Right Bank when facing downstream



Deck



Upstream from Crossing



Downstream from Crossing



Rail condition



Water pooling deck due to sediment accumulations



Rail condition



Approach from Left Bank when facing downstream



Fill retainment at upstream left approach, appears to be 3 blocks high



Upstream left bearing buried with sediment



Right Bank Abutment when facing downstream



Left Bank Abutment when facing downstream



Structure ID



Superstructure