CK-2305
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EAST ANDERSON 11.7km

2020 Inspection

CBR iPad Offline Ver 0.33

BRITISH COLUMBIA

CBR Data

Latitude	Longitude
49°43'34.29"	-121°17'45.3"

Crossing Name	East Anderson Creek
FSR #	7972
Branch #	2
Road Name	EAST ANDERSON
User km	11.7
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)	30.5
Deck Width (m)	4.9

Updated Data

Latitude	Longitude
49°43'33.87"	-121°17'44.8"

HD Diff. (m)	16.6	Accuracy (m)	5

11.0	
L75 or 68 tonnes	

Inspection

Date of Inspection	2020-08-27 9:29:34 AM	Recommended Next Inspection Year	2021
Inspector Name	Tyson Miller	Inspection Company	FLNRORD

Inspector Comments

The 4th and 5th panels from the left end have diagonal cracks along the surface; however those cracks are not visible on the underside of the panels. The deck surface is worn and pitted. Left bank panel 1 is chipped underneath, exposing rebar which is rusting. Monitor panel condition.

P.Eng Comments

Repair the damaged deck panel (visible from underneath) consistent with the MoFLNRO Concrete Repair Guide for Concrete Bridge Components (2017). Deck panels 4 and 5 (from left bank) and the right bank ballast wall have hairline cracks on the surface that require monitoring. The current load rating of L75 or 68 tonnes can continue.

2020-12-16

P.Eng Seal

Approach

Alignment	Fair	HC and VC 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	
Posted Load Rating		Not posted
Road Surface	Good	

Abutment

Log/Timber Cribs		
Tie Backs		
Bin Wall		
Pier		
Concrete		
Caps or Sills		
Piles or Posts	Good	
Ballast Wall	Fair	Right bank has hairline cracks
Wing Wall		
Bracing	Good	
Hardware		
Fill	Good	
Riprap	Fair	Scour noted downstream right bank
Bearings	Fair	
Corrosion Protection	Fair	

Deck

Running Surface	Fair	pitted and worn on wheel path
Running Planks		
Sub Deck		
Ties		
Nails		
Deck to Girder Bolts		
Concrete Deck	Fair	Damage noted under panel 1 at left bank and panels 4 and 5 (left bank) have hairline cracks on the surface
Grout Pockets	Fair	
Deck Joints	Fair	
Steel Deck Plate		
Gravel Surface		
Curb Rail/Blocks/Posts	Good	New
Hand Rails/Walkouts		
Hardware	Good	
Overall Deck Condition	Fair	
Gravel Depth (mm)		
Pier Deck		

Steel/Concrete

Girders	Fair	Sag noted and minor corrosion
Diaphragms	Fair	4 bolted bays
Bracing	Fair	
Under Trussing		
Hardware	Fair	
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

Hazards

Estimated Present Water Level Depth (m)	0.3	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	12.0	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	2.5	Ice ☐	

Comments

Repairs and Monitoring

	Repair Item	Repair Description
1	Structure. Concrete structural maintenance. m². Priority:Medium	Repair damaged deck panel
2		
3		
4		
5		
6		
7		

Item	Monitor Description	Frequency
1	Cracking in deck panels and ballast wall	Annually
2		
3		

Upstream from Crossing

Approach from Right Bank when facing downstream

Downstream from Crossing

Deck

Right Bank Abutment when facing downstream

Crack in deck panel

Visible sag in girders

Approach from Left Bank when facing downstream

Riprap scour downstream right bank

Damage under panel 1 at left bank

Left Bank Abutment when facing downstream

No cracking visible under panel

Superstructure

Ballast wall at right bank