CK-2072	BENCH 5.2km	2015 Inspection

CBR iPad Offline Ver 0.20

BRITISH COLUMBIA

CBR Data

Latitude	Longitude
49°5'9.89"	-121°42'9.5"

Crossing Name	Wells Ranch Creek		
FSR #	5127	Branch #	10
Road Name	BENCH		
User km	5.2		
Current Load Rating (tonnes)	68		
Structure Class	Permanent Bridge		
Portable	N		
Superstructure	Steel I-beam		
Deck Type	Concrete		
Abutment Left	Steel Pipe and Precast Pad		
Abutment Right	Steel Pipe and Precast Pad		
Spans	1		
Total Length (m)	12.2		
Deck Width (m)	4.9		

Updated Data

Latitude	Longitude
49°5'10.18"	-121°42'9.5"

HD Diff. (m)	64.7	Accuracy (m)	10

Concrete Removable

Inspection

Date of Inspection	2015-06-24 12:40:56 PM		
Inspector Name	Tyson Miller	Inspection Company	MFLNRO

Inspector Comments

Nov 18/2015

P.Eng Comments

Replace guardrail, risers and blocks. Repair damaged deck panels. Present load rating of L75 or 68 tonnes to continue.

PROFESSIONAL ENGINEER
PROVINCE OF BRITISH COLUMBIA
T. W. MILLER
35995

P.Eng Seal

Approach

Alignment	Fair	VC at both approaches
Bridge Ahead Signs Missing	0 1 2	
Brushing Required	Y	minor
Delineator Missing Left	0 1 2	
Delineator Missing Right	0 1 2	
Fender Condition	Good	
Posted Load Rating	68040	
Road Surface	Fair	

Abutment

Log/Timber Cribs	N/A	
Tie Backs	N/A	
Bin Wall	N/A	
Concrete	N/A	
Caps or Sills	Good	
Piles or Posts	Good	
Ballast Wall	Good	
Wing Wall	N/A	
Bracing	Good	
Hardware	Poor	loose rail bolts
Fill	Good	
Riprap	Good	
Bearings	Good	
Corrosion Protection	N/A	

Deck

Running Surface	Fair	
Running Planks	N/A	
Sub Deck	N/A	
Ties	N/A	
Nails	N/A	
Deck to Girder Bolts	Good	
Concrete Deck	Fair	panel 1 on left approach has damage on ballast wall side where rebar is exposed and rusting - same for right approach
Grout Pockets	Fair	
Deck Joints	Good	compression seals all in place
Steel Deck Plate	N/A	
Gravel Surface	N/A	
Curb Rail/Blocks/Posts	Poor	rotting risers and blocks
Hand Rails/Walkouts	N/A	
Hardware	N/A	
Overall Deck Condition	Poor	due to rail
Gravel Depth (mm)		

Steel/Concrete

Serial/ID Plate

Girders Good

Diaphragms Good

Bracing Good

Under Trussing N/A

Hardware Good

Welded/grouted shear connectors N/A

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)	0.4	High Water ☐	Debris ☐
Estimated Present Water Level Width (m)	4.0	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	3.0	Ice ☐	

Comments

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	replace guardrail, risers, and blocks
2	Medium	repair damaged deck panels
3		

Item	Monitor Description	Frequency
1	panel 1 on both approaches - exposed rebar	Routine Inspection
2		
3		

Sketch
(Select Signature)

CK-2072 BENCH 5.2km 2015 Inspection

Approach from Right Bank when facing downstream

Approach from Left Bank when facing downstream

Deck

deck attachment

CK-2072 BENCH 5.2km 2015 Inspection

small panel damage

spalling concrete

small panel damage

left abutment panel damage

CK-2072 BENCH 5.2km 2015 Inspection

panel 1 on right bank damage

Right Bank Abutment when facing downstream

superstructure and left abutment

Structure ID