CK-2272	STAVE RIVER 26.7km	2017 Inspection

CBR iPad Offline Ver

CBR Data

Latitude	Longitude
49°34'31.1"	-122°22'9.5"

Crossing Name	Side Creek
FSR #	8013
Branch #	1
Road Name	STAVE RIVER
User km	26.7
Current Load Rating (tonnes)	68
Structure Class	Major Culvert
Culvert Type	Elliptical
Culvert Material	Corrugated Steel
Opening Height (mm)	2200
Opening Width (mm)	3400
Inlet Cover (mm)	1000
Outlet Cover (mm)	1200
Culvert Gradient %	2
Culvert Length (m)	16

Updated Data

Latitude	Longitude
49°34'31.22"	-122°22'8.79"

HD Diff. (m)	14.7	Accuracy (m)	5

Inspection

Date of Inspection	2017-09-14 2:50:32 PM	Recommended Next Inspection Year	2020
Inspector Name	Michael Foster	Inspection Company	Onsite Engineering Ltd

Inspector Comments

Good culvert but bedload has built up inside inlet of culvert due to angle of stream on approach. Stream has to turn 90 degrees to get into culvert and dumps its bedload.

P.Eng Comments

Clean inlet and bedload from within the culvert. Monitor the bedload. Present load rating of L75 or 68 tonnes to continue.

P.Eng Seal

Approach

Alignment	Good	
Bridge Ahead Signs Missing	(•) 0 ( ) 1 ( ) 2	
Brushing Required	N	
Delineator Missing Left	(•) 0 ( ) 1 ( ) 2	
Delineator Missing Right	(•) 0 ( ) 1 ( ) 2	
Fender Condition	Unrated	N/A
Posted Load Rating		
Road Surface	Good	

Abutment

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

Culvert

Baffles	N/A	
Bolted Connections	Good	
Coating	N/A	
Coupled Connections	N/A	
Embedment Materials	Poor	Inlet has infilled too much
Fill	Good	
Floor	Fair	
Footing	Unrated	N/A
Head Walls	N/A	
Inlet	Fair	
Outlet	Good	
Overall	Fair	
Rip Rap	Good	
Roof	Good	
Sidewalls	Good	
Trash Rack	N/A	
Weirs/Backwater Structures	N/A	
Wing Walls	N/A	

Hazards

Estimated Present Water Level Depth (m)	0.1	High Water	☐	Debris	☐
Estimated Present Water Level Width (m)	0.3	Aggradation	☒	Scour	☐
Estimated High Water Level Clearance (m)	0.8	Ice	☐		

Comments: Bedload has built up inside inlet.

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Medium	Clean inlet and bedload from within the culvert
2		
3		

Item	Monitor Description	Frequency
1	bedload	Routine inspection
2		
3		

Sketch
(Select Signature)

CK-2272 STAVE RIVER 26.7km 2017 Inspection

Left approach viewed from bridge

Approach from Right Bank when facing downstream

Right approach viewed from bridge

Inlet

CK-2272 STAVE RIVER 26.7km 2017 Inspection

Inlet

Approach from Left Bank when facing downstream

Outlet