CK-2332	STAVE RIVER 1.4km	2017 Inspection

CBR iPad Offline Ver

CBR Data

Latitude	Longitude
49°26'9.7"	-122°14'5.7"

Crossing Name	Side Creek
FSR #	8013
Branch #	1
Road Name	STAVE RIVER
User km	1.4
Current Load Rating (tonnes)	68
Structure Class	Major Culvert
Culvert Type	Round
Culvert Material	Corrugated Steel
Opening Height (mm)	2400
Opening Width (mm)	2400
Inlet Cover (mm)	300
Outlet Cover (mm)	300
Culvert Gradient %	
Culvert Length (m)	18

Updated Data

Latitude	Longitude
49°26'10.21"	-122°14'5.63"

HD Diff. (m)	15.8	Accuracy (m)	5
	1200		
	1500		
	3		

Inspection

Date of Inspection	2017-09-14 7:24 AM
Inspector Name	Michael Foster
Recommended Next Inspection Year	2019
Inspection Company	Onsite Engineering Ltd

Inspector Comments

Good culvert install but left culvert has reduced flow capacity.

P.Eng Comments

Monitor bedload. Present load rating of L75 or 68 tonnes to continue.

P.Eng Seal

Approach

Alignment	Good	
Bridge Ahead Signs Missing	(•) 0 ( ) 1 ( ) 2	N/A
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	N/A	
Coating	N/A	
Coupled Connections	Good	
Embedment Materials	Good	
Fill	Good	
Floor	Good	
Footing	Unrated	N/A
Head Walls	N/A	
Inlet	Fair	Left culvert has damaged inlet and small buildup of bedload. Right culvert appears nicely embedded
Outlet	Good	
Overall	Good	
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	High Water ☐	Debris ☒
Estimated Present Water Level Width (m)	0	Aggradation ☐	Scour ☐
Estimated High Water Level Clearance (m)	1	Ice ☐	

Comments: Stream appears capable of transporting bedload as Site is likely on a fan.

Repairs and Monitoring

Repair Item	Priority	Repair Description
1		
2		
3		

Item		Monitor Description	Frequency
1	bedload		Routine inspection
2			
3			

Sketch
(Select Signature)

CK-2332 STAVE RIVER 1.4km 2017 Inspection

Left approach viewed from bridge

Approach from Right Bank when facing downstream

Right approach viewed from bridge

Approach from Left Bank when facing downstream

CK-2332 STAVE RIVER 1.4km 2017 Inspection

Inlet

Outlet

Damaged inlet likely from excavator cleaning bedload