CK-2333	STAVE RIVER 3km	2016 Inspection

CBR iPad Offline Ver 0.23 SNT

BRITISH COLUMBIA

CBR Data

Latitude	Longitude
49°26'39.59"	-122°13'23.9"

Crossing Name	Side Creek		
FSR #	8013	Branch #	1
Road Name	STAVE RIVER		
User km	3		
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)	500		
Culvert Gradient %			
Culvert Length (m)	14		

Updated Data

Latitude	Longitude
49°26'39.51"	-122°13'23.7"

HD Diff. (m)	5.0	Accuracy (m)	5
User km	2.5		
Opening Height (mm)	2200		
Opening Width (mm)	2200		

Inspection

Date of Inspection	2016-07-29 10:01:36 AM		
Inspector Name	Jamie Rupar Gilliatt	Inspection Company	SNT Engineering

Inspector Comments

Two 2200 dia. CSP culverts. Updated user km to 2.5 based on road km markings.

P.Eng Comments

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

07/03/2017

P.Eng Seal

Approach

Alignment	Good	
Bridge Ahead Signs Missing	(•) 0 ( ) 1 ( ) 2	No signs required for culvert.
Brushing Required	N	
Delineator Missing Left	(•) 0 ( ) 1 ( ) 2	No signs required for culvert.
Delineator Missing Right	(•) 0 ( ) 1 ( ) 2	No signs required for culvert.
Fender Condition	Unrated	Not required for culvert.
Posted Load Rating		No load posting sign in place.
Road Surface	Fair	Pothole in approach.

Abutment

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

Culvert

Baffles	N/A	
Bolted Connections	N/A	
Coating	Fair	Corrosion on floor of culvert.
Coupled Connections	Good	
Embedment Materials	N/A	
Fill	Fair	
Floor	Fair	Bed load deposits on floor of culvert 2, limiting inspection of floor. Light flaking on floor of culvert where inspectable.
Footing	Unrated	Not required for CSP culverts.
Head Walls	N/A	
Inlet	Fair	
Outlet	Fair	
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	High Water	☐	Debris	☒
Estimated Present Water Level Width (m)	0	Aggradation	☒	Scour	☐
Estimated High Water Level Clearance (m)	1	Ice	☐		

Comments: Bed load deposits in culvert 2. Woody debris and fallen trees upstream.

Repairs and Monitoring

Repair Item	Priority	Repair Description
1		
2		
3		

Item	Monitor Description	Frequency
1	Monitor woody debris getting caught at inlets and bed deposits in culverts.	Routine Inspection
2		
3		

Sketch
(Select Signature)

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Left Approach Facing Culvert

Right Approach Facing Away From Culvert

Left Approach Facing Away From Culvert

Right Approach Facing Culvert

CK-2333 STAVE RIVER 3km 2016 Inspection

Roadway Over Culvert

Looking Downstream

Looking Upstream

Dead Fall Upstream

CK-2333 STAVE RIVER 3km 2016 Inspection

Upstream Elevation

Inlet 2

Inlet 1

Barrel of Culvert 1

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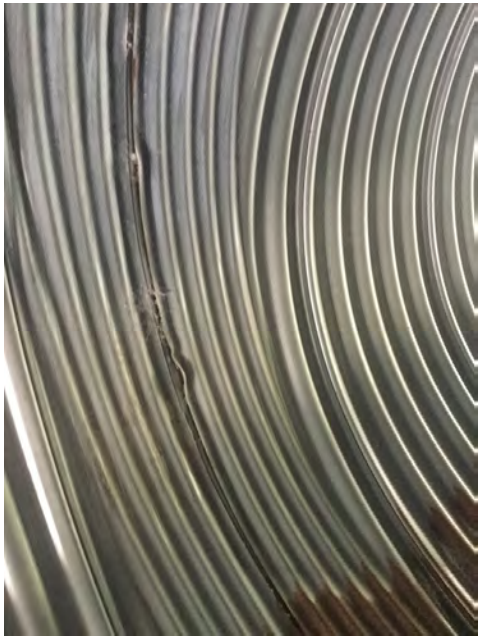


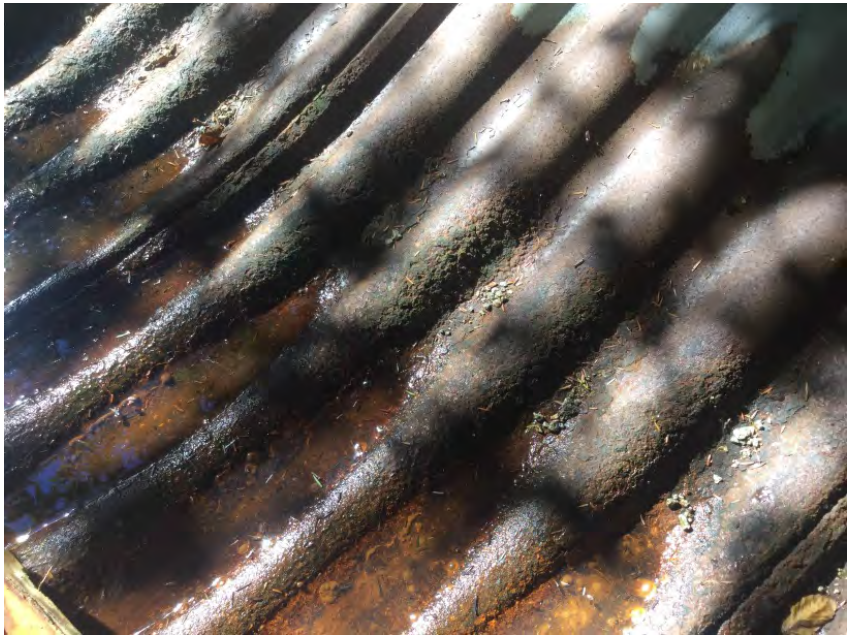
Typical Coupler

Outlet 1

Downstream Elevation

Outlet 2

Barrel of Culvert 2



Typical Culvert Floor Corrosion