CK-2275	STAVE 30.9km	2019 Inspection

CBR iPad Offline Ver 0.31

CBR Data

Latitude	Longitude
49°36'11.4"	-122°24'37.4"

Crossing Name	Side Creek
FSR #	8013
Branch #	1
Road Name	STAVE
User km	30.9
Previous Load Rating (tonnes)	68
Structure Class	Major Culvert
Culvert Type	Round
Culvert Material	Corrugated Steel
Opening Height (mm)	2000
Opening Width (mm)	2000
Inlet Cover (mm)	900
Outlet Cover (mm)	1200
Culvert Gradient %	4
Culvert Length (m)	16

Updated Data

Latitude	Longitude
49°36'11.11"	-122°24'38.33"

HD Diff. (m)	20.7	Accuracy (m)	5

L75 or 68 tonnes

Inspection

Date of Inspection	2019-11-05 12:32:56 PM	Recommended Next Inspection Year	2022
Inspector Name	Tyson Miller	Inspection Company	FLNRORD

Inspector Comments

Inlet cover on high chain culvert = 600mm
Inlet cover on middle culvert =600mm
Inlet cover on low chain culvert = 400mm
Outlet cover on low chain = 800mm
Outlet cover on middle = 1000mm
Outlet cover on high chain culvert = 1200mm

P.Eng Comments

Monitor debris upstream from the culvert inlets. Consider installing a large sump at the inlet. The current 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	NA
Posted Load Rating	Not posted
Road Surface	Fair

Abutment

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

Culvert

Baffles		
Bolted Connections		
Coating	Fair	Corrosion on the floor and at waterline
Coupled Connections	Fair	
Embedment Materials		
Fill	Fair	
Floor	Fair	Limited amount visible due to rocks on floor of culvert
Footing		
Head Walls		
Inlet	Fair	Minor damage to inlet of culvert 2 & 3
Outlet	Fair	Minor damage to outlet of culverts 2. River deposits have reduced Culvert 3 outlet to 1.3 m.
Overall	Fair	
Rip Rap	Fair	
Roof	Fair	
Sidewalls	Fair	
Trash Rack		
Weirs/Backwater Structures		
Wing Walls		

Hazards

Estimated Present Water Level Depth (m)	0.3	High Water		Debris	X
Estimated Present Water Level Width (m)	3.0	Aggradation	X	Scour	
Estimated High Water Level Clearance (m)	1.0	Ice			

Comments: Site is aggrading at inlet
Inlet has evidence of debris accumulations

Repairs and Monitoring

Repair Item	Priority	Repair Description
1	Low	Excavate sump at inlet
2		
3		

Item	Monitor Description	Frequency
1	Debris accumulations upstream	Routine Inspection
2		
3		

Sketch
(Select Signature)

2019 Inspection

STAVE 30.9km

CK-2275

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Approach from Left Bank when facing downstream

Upstream from Crossing

Downstream from Crossing

Approach from Right Bank when facing downstream

Inlet of low chain culvert

Inlet of high chain culvert

Inlet

Inlet of middle culvert

Outlet

Outlet cover at middle culvert

Outlet cover of low chain culvert

Outlet at high chain culvert