					Bridg	e Culve	ert Insp	ection						
Bridge File Number 73955 -1			-1 Bridge Culve			Form Type		CUL1						
Year Built	1	1978					Lot No			2				
Bridge or Town Name BUCK CREEK Located Over TRIBUTARY TO BUCKLAKE CREE						Inspec	tor Name		Wade Nanning	ja				
Located Over	٦	TRIBU	TARY TO BUCK	KLAKE CI	REEK,			tor Class		BR CLS A				
Located On			C1 20.999	J-01				ant Name						
Water Body Cl./		22.20 C	71 20.333					Assistant Class						
Navigabil. Cl./Ye								tion Date		27-Sep-2011				
Legal Land Loca		NI\A/	C 5 TWP 48 RC	2E 6 W/5N	1			ntry By	Theresa Lacusta					
Longitude, Latitu			1:18, 53:07:05	3L 0 VV3I	VI			ntry Date		26-Oct-2011				
Road Authority			Transportation	(AIT)				Reviewer Name Eric Carcoux						
			·	(Δ11)			Review Date 25-Oct-2011							
Contract Main. Area CMA11 Clear Roadway/Skew 10.4 / 0 de AADT/Year 2,450 / 20' Road Classification RAU-210-' Detour Length (km) 3 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Sp 1 MAIN 17: Special Features									Brent Herrick					
							Dept. Review Date			14-Nov-2011				
Road Classification RAU Detour Length (km) 3 Bridge Culvert Information Number of Culverts Pipe # Barrel							Follow-Up By							
			10-110											
		111011	1											
			Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1 1	MAIN		1724	1901		SPE		62.2		152X51	3.0	ELLIPSE		
			1724	1301		OI L		02.2		102/01	0.0	LLLII OL		
Special Features Special Features Comment														
Special Features														
					Uti	ilities (L	ocated	at)						
Utility Attachmer	nts								ı					
Telephone West r/w.							Gas							
Power							Munici							
					Proble	m (Y/N)	No							
Remarks	Tag @	West 6	end.											
Approach Road / Embankment Last Now Explanation of Condition														
Harizantal Alian	mont				Last									
Horizontal Align					8	8	Oillieid	access o	om no	orth & South.				
Vertical Alignment Roadway Width (m)		10.400		0	0									
Roadway Widin	(111)		10.400											
Embankment					8	8								
Sideslope (:			4.0											
(Height of Cov	/er(m) : 5	5)												
Guardrail (Y/N)			No											
Approach Road	d / Emba	ankme	nt General Rat	ing	7	7								
						Upstrea	am End							
Culvert Compo	nent				Last	Now		nation of	Condi	tion				
Direction					W									
End Treatment (Others, None)	(Concret	te, Stee	el, STEEL											
Headwall					Х	Х								
Collar					Х	Х								
Wingwalls					Х	Х								
(Shape:)														
Cutoff Wall					X	X								

-				eam End				
Culvert Component		Last	Now					
Bevel End	l	N	5	Scaling and pitting rust on floor.				
Heaving (mm)	200							
Invert Above/Below Stream Bed	ABOVE							
Above/Below (mm)	100							
Scour Protection		4	4	Scour 1m either side of pipe.				
(Type : RIP RAP)				_				
(Avg. Rock Size(mm) : 200)								
Scour/Erosion		4	4					
Beavers (Y/N)	Yes			Beaver dam @ inlet.				
Upstream End General Rating		4	4					
		Bri	dae Cu	llvert Barrel				
Culvert Component				Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN. S							
Barrel Last Accessible Date	05-Nov-2009	,	,	Only accessible to R9 due to water depth.				
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)				-				
Roof		7	7					
Measured Rise (mm)	1860	, , ,						
` ,	8			-				
Measured At Ring No. Sag (mm)				-				
	2							
Percent Sag		-						
Sidewall	4700	7	6					
Measured Span (mm)	1790							
Measured At Ring No.	8							
Deflection (mm)	66							
Percent Deflection	4							
Floor	I	N	N	(Scaling and pitting rust. 26/June/2006) Floor covered in water.				
Bulge (mm)	0							
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		6	6					
Separation (mm)	0							
Longitudinal Seams		6	6					
Total No. of Cracked Rings	0							
Total No. of Rings with Two Cracked Seams				50% not properly lapped.				
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)	No			1				
Longitudinal Stagger (Y/N)	No			1				
Coating		6	N	(Scaling and pitting rust on floor. Evidence of leakage through bolt				
Corrosion By Soil (Y/N)	Yes	U	114	holes. 26/June/2006)				
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	NEG							
	INEG							
Ponding (Y/N)	Yes			800mm ponding near outlet.				

		Brid	ige Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm): 1724	, Rise (mm): 1901, Type: SPE)
Fish Passage Adequacy		7	7	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	Yes			
Barrel General Rating		6	6	
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction		E		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		6	6	Floor not visible, under water.
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		4	4	Very few rocks.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		4	4	Scour hole 1.0 x 8.0 x 15m.
Beavers (Y/N)	Yes			
Downstream End General Ratio	ng	4	4	
		s	tructu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Culvert)				No HWM visible.
Drift (Y/N)	Yes			
Channel Bottom Degrading/Aggrading	DEGRADING			Beaver dam upstream and downstream.
Beavers (Y/N)	Yes			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		7	7	

				Maintenance F	Recommen	dations					
Inspector Recomn	Year	Inspector	r Comments		Department Con	nments		Target Year	Est. Cost	Cat #	
SHOTCRETE REI	PAIRS										
PLACE ADDITIONAL RIP RAP		2011	U/S								
REMOVE DRIFT	ACCUMULATION										
INSTALL CONCR	ETE/STEEL LINING	i									
INSTALL STRUTS	3										
INSTALL CONCR	ETE COLLAR/CUT	OFF									
REPAIR SEAMS											
OTHER ACTION		2011	Remove	beaver dams & drift.							
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condit(%)	ow) 66.7/6	6.7	Sufficiency Rating (Last (%)	t/Now)	64.1/64.2	Est. Repl. Yr	2024	Maint. Re	qd. (Y/N)	Yes	
Special Comments for Next Inspection	Monitor downstrear	m scour.				Department Comments					
Maintenance Revi					Date			Estimated Tota	1 0		
Proposed Long-Te	erm Strategy										
On 3-Year Progra	m (Y/N)										
Proposed Action											
Previous Inspector's Name Kr		Kris Bosters			Previous	Previous Assistant's Name Sara Wadlow					
		27-Jun-2013			Previous	Previous Inspection Date 05-Nov-2009					
Inspection Cycle (Default) (months)	21									
. , ,	, , , , , ,										