Bridge Culvert Inspection														
Bridge File Number 01826 -1 Bridge Culvert					Bridg	c ourv	Form Type			CUL1				
Year Built 1978							Lot No.		2					
Bridge or Town	Name						Inspector Name		Wade Nanninga					
Located Over	Turne				REEK		Inspector Class		BR CLS A					
		6.132.2.8	TARY TO BUCKLAKE CREEK, 2.8, WATERCRS-ST				Assistant Name							
Located On		22:28 C1	15.372				Assista	ant Class						
Water Body CI./							Inspec	tion Date		27-Sep-2011				
Navigabil. CI./Ye							Data Entry By			Theresa Lacusta				
Legal Land Loca			20 TWP 47 R	GE 6 W5	бM		Data Entry Date		26-Oct-2011					
Longitude, Latitu	ude		18, 53:04:03				Review	ver Name		Eric Carcoux				
Road Authority			ransportation	(AIT)			Review Date		25-Oct-2011					
Contract Main. Area CMA11						Dept. Reviewer Name			Brent Herrick					
Clear Roadway/Skew 10 / 0 deg.							Dept. Review Date		14-Nov-2011					
AADT/Year 2,100 / 2							Follow-Up By							
	Road Classification RCU-210-110													
Detour Length (3												
Bridge Culvert														
Number of Culv		1	·											
Pipe #	Barrel	5	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	1	724	1901		SPE		68.3		152X51	3.0	ELLIPSE		
Special Feature	s													
Special Feature	s Comr	ment												
					Uti	ilities (L	ocated	at)						
Utility Attachme	nts													
Telephone							Gas							
Power	4 wire	s East r/v	r/w.					Municipal						
Others	Water	pipeline	40m south.				Problem (Y/N) No							
Remarks	Tag @	West er	nd (U/S).											
				A	pproa	ch Road	d / Emb	ankment						
					Last	Now	Explanation of Condition							
Horizontal Alignment				7	7	Private access 150m North. Bottom of a slight sag curve.								
Vertical Alignment					7	7	DOLLOH	i or a sligr	it say t	curve.				
Roadway Width (m) 10.0			10.000											
Embankment					4	4		Gully at ditch line SE corner 0.5 x 1.0m x 15m. Grass growing.						
Sideslope (:1)		3.0				vegeta	ted.						
(Height of Cov	/er(m) :	6)												
Guardrail (Y/N)			Yes											
Approach Road	d / Emk	bankmen	t General Rat	ing	7	7								
						Unotro	am End							
Culvert Compo	nent				Last	Now		nation of (Condi	tion				
Direction					W	Inch			oonan					
End Treatment	(Concre	ete, Steel	, STEEL				1							
Others, None) Headwall					X	X								
				X	X									
Collar														
Wingwalls					X	X								
(Shape :) Cutoff Wall					Х	X								
						^								

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Upstream End									
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		6	6	Minor superficial rust on floor.					
Heaving (mm)	150								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	300		1						
Scour Protection		7	7						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 200)									
Scour/Erosion		7	7						
Beavers (Y/N)	No		1	Drift caught in fence at entrance.					
Upstream End General Rating		6	6						
		Bric	lae Cu	lvert Barrel					
Culvert Component				Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	in (mm)): 1724	, Rise (mm): 1901, Type: SPE)					
Barrel Last Accessible Date	27-Sep-2011								
Special Features									
Special Feature									
(Type:)			1						
Special Feature									
(Туре:)		1	1						
Roof		7	7						
Measured Rise (mm)	1880			CL					
Measured At Ring No.				-					
Sag (mm)	21			-					
Percent Sag	1								
Sidewall	1	7	7						
Measured Span (mm)	1750			CL					
Measured At Ring No.				-					
Deflection (mm)	26			-					
Percent Deflection	2								
Floor	1	4	4	Extensive corrosion and pitting rust.					
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				-					
Min. Remaining Steel Between Cracks (mm)									
Proper Lap (Y/N)	No								
Longitudinal Stagger (Y/N) No									
Coating		4	4	Leaking through sidewall bolt holes. Extensive corrosion and pitting					
Corrosion By Soil (Y/N)	Yes			rust.					
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	NEG								
Ponding (Y/N)	No								

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Bridge Inspection & Maintenance System (Web 2005)

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S	Span (mm): 1724	l, Rise (mm): 1901, Type: SPE)
Fish Passage Adequacy		4	4	500mm waterfall at outlet.
Baffle		X	X	
(Type :)				
Waterway Adequacy		5	5	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		6	6	
Barrer Concra ritating		-		
				ream End
Culvert Component		Last	Now	Explanation of Condition
Direction	1	E		-
End Treatment (Concrete, Steel, Others, None)	STEEL		1	
Headwall			X	
Collar			Х	
Wingwalls		X	Х	
(Shape :)				1
Cutoff Wall		X	X	
Bevel End			4	Bevel hanging 0.5m, undermined 2m.
Heaving (mm)	100	4		
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	700			-
Scour Protection	100	4	4	
(Type : RIP RAP)		T	-	
(Avg. Rock Size(mm) : 300)				-
Scour/Erosion			4	500mm waterfall off bevel. Large scour D/S. 2m deep x 10.0 wide x 15m long at south bank. Loss of fill around end approx 2000mm x 550mm deep.
Beavers (Y/N)	No			
Downstream End General Rati	ng	4	4	
		s	Structu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)		,		
Alignment			7	Meandering channel @ D/S (East).
Bank Stability			4	SE bank eroded and slid 10m from outlet.
HWM (m below Top of Culvert)	0.2			Grass on fence at upstream bevel.
Drift (Y/N)	Yes			
Channel Bottom DEGRADING Degrading/Aggrading				
Beavers (Y/N) No				
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :				1
Channel General Rating	- /	4	4	

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Maintenance Recommendations											
Inspector Recommendations	۱	Year	Inspector Comments		Department Comm	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION	2	2011	At inlet								
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTOFF											
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No (%)	ow) 6	66.7/66.	7 Sufficiency Rating (Last/Now (%)	v) 5	.9/52.0 Est. Repl. Yr 2024		2024	Maint. Reqd. (Y/N)		Yes	
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date		E	Estimated Total	0		
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Kris Bos	ris Bosters Previous A			Assistant's Name Sara Wadlow						
Next Inspection Date	27-Jun-2	27-Jun-2013 Previo			nspection Date						
Inspection Cycle (Default) (months) 21											
Comment											