Bridge Culvert Inspection												
Bridge File Number	Bridge File Number 73059 -1 Bridge Culvert					Form T			CUL1			
Year Built	1957					Lot No			4			
Bridge or Town Name		ON				Inspector Name			Jon Davies			
Located Over		CREEK, 2.12		VATER	CRS-	· · ·		BR CLS B				
	ST	- ,	,			· · ·	Int Name					
Located On	LOCAL R	ROAD				Assista	Int Class					
Water Body Cl./Year						Inspection Date			09-Dec-2012			
Navigabil. Cl./Year					Data Entry By		Kelsey Roberts					
Legal Land Location	SE SEC :	30 TWP 3 RG	E 25 W4	М		Data Entry Date			05-Jan-2013			
Longitude, Latitude						Reviewer Name		Garry Roberts				
Road Authority						/ Date		16-Dec-2012				
Contract Main. Area	Area CMA25					Dept. Reviewer Name		Tim Davies				
Clear Roadway/Skew	ay/Skew 11 /							08-Jan-2013				
AADT/Year	720 / 199				Follow-Up By							
Road Classification	RLU-208-	-100				_						
Detour Length (km)												
Bridge Culvert Inform	(
Number of Culverts	1											
Pipe # Barrel	S	pan	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1 MAIN	1	830	1120		FP		20.7		68X13		ARCH	
Special Features					1		1		1			
Special Features Com	ment											
1												
				Uti	ilities (L	_ocated	at)					
Utility Attachments						-		1				
•	South ditch.					Gas						
	North side			Municipal								
Others						Proble	m (Y/N)	No				
Remarks												
	Last		d / Embankment Explanation of Condition									
Horizontal Alignment				9	9							
Vertical Alignment			9	9	Erosion at U/S end, slumping - minor.							
Roadway Width (m) 11.000				5								
Embankment					6							
Sideslope (:1)		3.0										
(Height of Cover(m)	: 0.9)	1										
Guardrail (Y/N)		No										
Approach Deset / E	hanler	Concret D. (ina	•	•							
Approach Road / Em	bankment	General Rat	ing	9	9							
					Upstre	am End						
Culvert Component				Last	Now		ation of	Condi	tion			
Direction				S								
End Treatment (Concr	ete, Steel,	STEEL										
Others, None) ` Headwall				X	X							
Collar				X	X							
			X	X								
Wingwalls			Λ	~								
Cutoff Wall	(Shape:)			X	X							

Alberta Transportation

		Upstream End						
Culvert Component		Last	Now	Explanation of Condition				
Bevel End		5	7					
Heaving (mm)	0							
Invert Above/Below Stream Bed	ABOVE							
Above/Below (mm)	100							
Scour Protection			7					
(Type : NATURAL)								
(Avg. Rock Size(mm) :)								
Scour/Erosion		5	7					
Beavers (Y/N)	No							
Upstream End General Rating			7					
Culvert Compensat		1		Ivert Barrel				
Culvert Component	tion Code: MAINI Sno			Explanation of Condition				
(Pipe # : 1, Primary Span, Loca		n (mm): 1830					
Barrel Last Accessible Date	09-Dec-2012			800-900mm ice in barrel				
Special Features								
Special Feature								
(Type :)								
Special Feature								
(Туре :)								
Roof		6	7					
Measured Rise (mm)	1090							
Measured At Ring No.	2							
Sag (mm)	30			Est.				
Percent Sag	2							
Sidewall	_	6	6					
Measured Span (mm)	1845		U					
Measured At Ring No.	2							
Deflection (mm)	15							
Percent Deflection	15			-				
		0	N					
Floor		6	N	Ice covered				
Bulge (mm)				-				
Measured At Ring No.				-				
Abrasion (Y/N)	Yes		1					
Circumferential Seams		4	4	No loss of material. 2nd seam U/S 90mm gap - this was the extension - slipped into the				
Separation (mm)	30			ends of section 1 & 3 - No changes				
Longitudinal Seams		7	7	Riveted.				
Total No. of Cracked Rings	0							
Total No. of Rings with Two Cracked Seams	0							
Min. Remaining Steel Between Cracks (mm)	0							
Proper Lap (Y/N)	Yes							
Longitudinal Stagger (Y/N)	Yes							
Coating		6	7					
Corrosion By Soil (Y/N)	No							
Corrosion By Water (Y/N)	Yes			1				
Camber POS/ZERO/NEG	POS							
	Yes							
Ponding (Y/N)	162							

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Brid	lge Cu	lvert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm): 1830	, Rise (mm): 1120, Type: FP)
Fish Passage Adequacy			Х	
Baffle		X	X	
(Туре :)				
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N) No				
Barrel General Rating		6	6	
Culvert Component		Last	Now	eam End Explanation of Condition
Direction		N		
End Treatment (Concrete, Steel,	STEEL			
Others, None)				
Headwall		X	X	
Collar		Х	Х	
Wingwalls			X	
(Shape :)				
Cutoff Wall			X	
Bevel End	Bevel End			
Heaving (mm)	20			
Invert Above/Below Stream Bed	nvert Above/Below Stream Bed BELOW			
Above/Below (mm)	300			
Scour Protection		6	6	Low channel velocity.
(Type : NATURAL)				
(Avg. Rock Size(mm) :)		1		
Scour/Erosion		6	6	Bit of scour D/S end rock lined
Beavers (Y/N)	No			
Downstream End General Ratin	ng	6	6	
		S	structu	re Usage
			Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment			5	
Bank Stability		8	8	
HWM (m below Top of Culvert)				None visible
Drift (Y/N)	No			
Channel Bottom DEGRADING Degrading/Aggrading				D/S
Beavers (Y/N) No				
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating			5	

Maintenance Recommendations											
Inspector Recommendations Year		Year	Inspector Comments		Department Comr	ments	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTOFF											
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) 66.7/6 (%)		66.7/66.	7 Sufficiency Rating (Last/No (%)	w) 7	70.4/72.3	Est. Repl. Yr 2020		Maint. Reqd. (Y/N)		No	
Special Comments for Next Inspection		Department Comments									
Maintenance Reviewed By					Date		Estimated Total 0				
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Tim Davies			P	revious A	s Assistant's Name						
Next Inspection Date 09-Sep-201		ep-2017 Previo			Inspection Date 18-Sep-2007						
Inspection Cycle (Default) (months)	57										
Comment											