Bridge Culvert Inspection															
Bridge File Num	nber	74597	E-1 Bridge	Culv	ert	~				CUL1					
Year Built					Lot No.		4								
Bridge or Town	Name	COCH	KANE				Inspector Name		Garry Roberts						
Located Over		MUNIC						Inspector Class			BR CLS A				
Located On	1 10.460					Assistant Name									
Water Body Cl.								Assistant Class							
									11-Feb-2012						
								·							
									Data Entry Date		14-Mar-2012				
								Reviewer Name		Tom Carey					
									Review Date		22-Feb-2012				
Clear Roadway	/Skew	12.5 /						Dept. Reviewer Name							
AADT/Year			/ 2010 (A)					·							
Road Classifica			` '					·							
Detour Length (km)	1						. 3 Sp 5)							
		ation													
			1												
Pipe #	Barrel		Span		Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
		4900 4600			BPR		36.3				RECTANGLE				
1 MAIN 49 Special Features Special Features Comment															
D : 17/ (
•						NICIPA	1L 4.4m								
Road Authority		(X/NI) X/													
	ertical Clearance (Y/N) Yes Lane NB On Bridge (m) 4.5 In Advance (Y/N) Yes Lane SB On Bridge (m) 4.5 In Advance (Y/N) Yes Restricted visibility/keep right & 15 km/h. S/B posting is on W/B culvert.						ce (Y/N) Yes								
						Ut	ilities (L	ocated	at)						
Utility Attachme	nts														
Telephone	South	ditch						Gas							
·					Munici	pal									
		area - @ N	lorth	row			Proble	m (Y/N)	No						
Remarks															
					Α	pproa	ch Road	d / Emb	ankment						
						Last	Now	Explan							
Horizontal Align	ment					7	7	Merge	lanes to \	es to West.			- d		
						6	6	Clesic	Siest curve to the Last limits visibility. Hermitage Nodu.				au. 		
Roadway Width	n (m)		12.500												
Embankment					7	7									
	:1)		2.0												
- , ,		0.5)													
		Yes													
Approach Road / Embankment		nt Genera	nt General Rating			6									
				Upstrea		am End									
Culvert Compo	nent					Last Now		Explanation of Condition							
Direction									North						
End Treatment (Concrete, Steel, Others, None)			el, CONCI	CONCRETE				L							
Headwall						8	8	DIAGO	NAL CRA	ACKS					

74597 E-1 Bridge Culvert

Culvent Comment				am End						
Culvert Component		Last	Now	Explanation of Condition						
Collar		X	X							
Wingwalls			7	hairline cracks common wall with 74597W						
(Shape:)										
Cutoff Wall		Х	Х							
Bevel End		X	X							
Heaving (mm)	0									
Invert Above/Below Stream Bed										
Above/Below (mm)	0	\ \ \	V							
Scour Protection		X	X							
(Type:)										
(Avg. Rock Size(mm) :) Scour/Erosion		V	V							
SCOUT/ETOSION		X	X							
Beavers (Y/N)	No									
Upstream End General Rating		7	7							
		Dei	dae Cu	 vert Barrel						
Culvert Component				Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN Sna									
Barrel Last Accessible Date	11-Feb-2012	<u> </u>	ij. 4 300	, Kise (iiiii). 4000, Type. Di K)						
Darrer Last Accessible Date	11-1 65-2012									
Special Features										
Special Feature				Safety Rail						
(Type:)										
Special Feature										
(Type:)										
Roof		7	7	Roof has narrow transverse cracks						
Measured Rise (mm)	4600									
Measured At Ring No.										
Sag (mm)	0									
Percent Sag										
Sidewall		7	7	Vertical crack to 0.5 mm every 1.5m approx with leaching						
Measured Span (mm)	4900									
Measured At Ring No.										
Deflection (mm)	0									
Percent Deflection										
Floor	I	7	7							
Bulge (mm)	0									
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		7	7							
Separation (mm)	30									
Longitudinal Seams		X	X							
Total No. of Cracked Rings										
Total No. of Rings with Two Cracked Seams										
Min. Remaining Steel Between Cracks (mm)										
Proper Lap (Y/N)										
Longitudinal Stagger (Y/N)										

		Brid	dge Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm		
Coating		6	6	Barrel walls coated with pigmented sealer - grey
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		X	X	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	7	
			own of	rom End
Culvert Component		Last	Now	eam End Explanation of Condition
Direction		Lasi	INOW	South
End Treatment (Concrete, Steel,	CONCRETE			30001
Others, None) Headwall		8	8	
Collar		X	X	
Wingwalls (Shape:)		6	6	Diagonal cracking at both walls initiating at top towards barrel with leaching. 0.5 mm WIDE
Cutoff Wall		Х	X	
Bevel End		X	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		Х	X	
(Type:)				
(Avg. Rock Size(mm):)				
Scour/Erosion		Х	X	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	6	6	
			Structu	re Usage
			Now	Explanation of Condition
Grade Separation		Luot	ITOTT	Explanation of containon
Road Alignment		5	5	Posted for 15 km/hr, 4.9 m clear r/w.
Roadway Surface		6	6	Posted "restricted visibility keep right".
(Type:)				Gravel approaches
Icing (Y/N)	No			
Troffic Colot: France		V	V	
Traffic Safety Features		X	X	
Туре	1			

Structure Usage									
		Last	Now	Explanation of Condition					
Lighting		X	X						
Barrel Leakage (Y/N) No									
Drainage		6	6						
Structure In Use (Y/N)	Yes								
Grade Separation General Rating			5						

		Maintenance	Recommenda	ations					
Inspector Recommendations	Year	Inspector Comments		Department Comm	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS				·					
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING									
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No. (%)	ow) 77.8/77	.8 Sufficiency Rating (Las (%)	st/Now) 7	5.8/75.8	Est. Repl. Yr	2048	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	stimated Tota	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Garry Roberts		Previous A	ssistant's Name					
Next Inspection Date	11-Nov-2013		Previous Ir	nspection Date	15-Sep-2010				
	21								
Comment									