Bridge Culvert Inspection													
Bridge File Number 00854 -			54 -1 Bridge Culvert				Form Type			CUL1			
Year Built 1961							Lot No.			4			
Bridge or Town I	Name	AIRDRI	IE				Inspector Name			Garry Roberts			
Located Over			TARY TO NOSE	E CREEK	ζ, 2.13.	32.5,	Inspector Class			BR CLS A			
Located On		567.04	C1 3 /36				Assistant Name						
Water Body CLA	Vear	507.04	01 3.430		Assistant Class								
Navigabil CL/Ye	ar						Inspect	ion Date		25-Jul-2012			
Legal Land Location SW SEC			C 17 TWP 27 R		Data Entry By			Lauren Korte					
Longitude Latitude -114:06:		-60 51:18:01				Data Entry Date			30-Aug-2012				
Road Authority Alberta		Transportation	(AIT)			Reviewer Name		Tom Carey					
Contract Main, Area CMA29		Tranoportation		Review Date			07-Aug-2012						
Clear Roadway/Skew 92/4		92/45	S deg (RHF)					leviewer l	Name	Tim Davies			
AADT/Year 2 24		2.240/	240 / 2011 (A)					Dept. Review Date		06-Sep-2012			
Road Classificat	ion	RLU-20	09-110				Follow-Up By						
Detour Length (k	(m)	6					-						
Bridge Culvert Information													
Number of Culverts 1													
Pipe # E	Barrel		Span	Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1 N	MAIN		2027	2241		SPE		43.9		152X51	3.0	ELLIPSE	
Special Features	S											·	
Special Features	s Comr	nent											
	. 4 .				Ut	ilities (L	ocated	at)					
Utility Attachmer	Utility Attachments												
Telephone	North				Municipal								
Othoro	NORTH P	ROW.					Problem (Y/N) No						
Duriers													
Remarks				Δ	nnroa	ch Road	l/Fmb	ankment					
						Now	Explanation of Condition						
Horizontal Alignment			7	7	Access road both sides of pipe.								
Vertical Alignment					7	6	Hill to V	Vest.					
Roadway Width (m)		9.200											
Embankment	ibankment 7 7												
Sideslope (:	1)		2.0				1						
(Height of Cov	er(m):	3)											
Guardrail (Y/N)			No										
Approach Road	l / Emb	ankme	nt General Rat	ing	7	6							
						Upstre	am End						
Culvert Compo	nent				Last	Now	Explan	ation of	Condi	tion			
Direction			Ν		North.								
End Treatment (Concrete, Steel, CONCRETE Others, None)													
Headwall					X	X							
Collar				X	Х								
Wingwalls				X	X			-					
(Shape : )													
Cutoff Wall					7	6							

Alberta Transportation

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End	I	7	7	-
Heaving (mm)	300			
Invert Above/Below Stream Bed BELOW				
Above/Below (mm) 150				
Scour Protection		7	7	
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : <b>300</b> )				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating			6	
		Brid	lge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm)	): 2027	, Rise (mm): 2241, Type: SPE)
Barrel Last Accessible Date	25-Jul-2012			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		4	4	Roof distortion based on 100mm floor bulae not being @ mid.
Measured Rise (mm)	2112			Rated 4 due to cracks in circumferential seams.
Measured At Ring No.	8			
Sag (mm)	129			
Percent Sag	5			
		6	6	Slight curve in barrel
Measured Span (mm)	2125			
Measured At Ring No.	8			
Deflection (mm)	98			
Percent Deflection	4			
Floor	•	5	5	
Bulge (mm)	100		0	
Measured At Ring No				
Abrasion (Y/N)	No			
		1	Λ	
		4	4	appear to have stabilized.
Separation (mm) 0			5	Loose bolts throughout creak at reaf bolt in Ping 14 (appear to be
Total No. of Cracked Pinge	0	5	5	installation damage).
Total No. of Rings with Two Cracked Seams	0			Crack bolts in circ seams not long seam. 1N stagger.
Min. Remaining Steel				
Proper Lap (V/N)	No			
Longitudinal Stagger (V/N) Ves				
			5	Alkali and rust at bolt boles of lower soams only with minor scale
	Vec	5	5	buildup.
Corrosion By Water (V/N)	Voc			
Camper POS/ZEKU/NEG				
Ponding (Y/N)	No			

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Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp	an (mm	): 2027	, Rise (mm): 2241, Type: SPE)					
Fish Passage Adequacy		5	5						
Baffle		X	Х						
(Туре : )									
Waterway Adequacy		7	7						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		4	4						
		D	ownstr	eam End					
Culvert Component			Now	Explanation of Condition					
Direction				South.					
End Treatment (Concrete, Steel, CONCRETE Others, None)									
Headwall		X	X						
Collar			X						
Wingwalls		Х	Х						
(Shape : )									
Cutoff Wall		6	6	Only top is visible.					
Bevel End		7	7						
Heaving (mm)	200								
Invert Above/Below Stream Bed	ABOVE								
Above/Below (mm)	200								
Scour Protection		5	5						
(Type : <b>RIP RAP</b> )									
(Avg. Rock Size(mm) : 250)									
Scour/Erosion			5	Minor rock lined scour @ SW.					
Beavers (Y/N)	No								
Downstream End General Ratin	ng	7	5						
		S	Structu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment			6						
Bank Stability			7						
HWM (m below Top of Culvert)				NO HWM VISIBLE.					
Drift (Y/N)	No								
Channel Bottom Degrading/Aggrading									
Beavers (Y/N) No									
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating			6						

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments		Department Com	iments	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTC	DFF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No (%)	ow)	44.4/44.	Sufficiency Rating (Last/Now) (%)		58.0/55.4 Est. Repl. Yr 2025		2025	Maint. Reqd. (Y/N) No		No	
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	Garry F	Roberts	1	Assistant's Name							
Next Inspection Date 25-0		25-Oct-2015 P			nspection Date						
Inspection Cycle (Default) (months) 39											
Comment											