Bridge Culvert Inspection														
Bridge File Number 02381 -1 Bridge Culvert				Dillag	e ourve	Form T			CUL1					
Year Built		1959					Lot No.	71		4				
Bridge or Town	Name		ANF				Inspector Name			Garry Roberts				
Located Over	riamo			3 89 8 1	1		· · ·	or Class		BR CLS A				
		WATER		, 0.00.01	.,	.,		Assistant Name						
Located On		22:16 C1	29.649				Assistant Class							
Water Body Cl./	Year						Inspection Date			22-May-2012				
Navigabil. Cl./Ye	ear						Data Entry By			Kelsey Roberts				
Legal Land Loca	ation	SE SEC	34 TWP 27 R	GE 4 W5	М			ntry Date		20-Jun-2012				
Longitude, Latitude -114:28:32, 51:20:43							Reviewer Name		Tom Carey					
Road Authority Alberta Transportation (AIT)									07-Jun-2012					
Contract Main. Area CMA28									Tim Davies					
Clear Roadway/Skew 9.9 / -15									29-Jun-2012					
AADT/Year	AADT/Year 4,220 /		/ 2011 (A)				Follow-Up By		23-301-2012					
Road Classificat	tion	RAU-211	1.8-110					chem op by						
Detour Length (km) 12														
Bridge Culvert	Inform	ation												
Number of Culve	Imber of Culverts 1													
Pipe #	Barrel	S	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	2	2027	2240		SPE		75		152X51	4.0	ELLIPSE		
Special Feature	Special Features CONC FLOOR													
Special Feature	s Comr	ment												
					Uti	lities (L	ocated	at)						
Utility Attachme							-							
Telephone	West													
Power							Municipal Problem (Y/N) No							
Others							Probler	n (Y/N)	No					
Remarks														
Approach Road / Embankment Last Now Explanation of Condition														
Horizontal Alignment					7	6	Explanation of Condition Farm entrance 80m N.							
Vertical Alignment				5	5	On grade, hills N & S. Poor sight distance.								
Roadway Width (m) 9.900				0										
Embankment					7	7								
Sideslope (			2.5				-							
(Height of Cov	/er(m) :	8.2)												
Guardrail (Y/N)			Yes					Still functions- minor damage						
Approach Road	d / Emb	bankmen	t General Rat	ing	5	5								
						Upstre	am End							
Culvert Compo	nent				Last	Now		ation of 0	Condi	tion				
Direction				W		West e								
End Treatment (	(Concre	ete, Steel,	STEEL											
Others, None) Headwall					X	Х								
Collar					X	X								
Wingwalls			X	X										
(Shape:)														
Cutoff Wall					X	X								

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			Upstre	am End				
Culvert Component		Last	Now	Explanation of Condition				
Bevel End		7	7					
Heaving (mm)	0							
Invert Above/Below Stream Bed								
Above/Below (mm) 0								
Scour Protection		7 7		3m concrete slab				
(Type : NATURAL)								
(Avg. Rock Size(mm) : )								
Scour/Erosion		7	7					
Beavers (Y/N)	No							
Upstream End General Rating			7					
		Brid	lge Cu	lvert Barrel				
Culvert Component		1		Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa							
Barrel Last Accessible Date	22-May-2012							
Special Features			_					
Special Feature			5	Some spalling @ U/S 1/4. Still sound for cattle to walk on. Heavy scaling on 35%.				
(Type : CONC FLOOR)				Medium spalling at U/S end.				
Special Feature								
(Type:)			1					
Roof	1	5	5	Est				
Measured Rise (mm)								
Measured At Ring No.								
Sag (mm)	120							
Percent Sag	6							
Sidewall		5	5					
Measured Span (mm)	2150							
Measured At Ring No.	12							
Deflection (mm)	123							
Percent Deflection	6							
Floor		N	N	Floor has 100mm concrete with 25mm to 30mm silt on top.				
Bulge (mm)	0							
Measured At Ring No.								
Abrasion (Y/N)								
Circumferential Seams		7	7	Retrofit holes at R16				
Separation (mm)	0							
Longitudinal Seams		7	7					
Total No. of Cracked Rings	0							
Total No. of Rings with Two Cracked Seams	0							
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)	No							
Longitudinal Stagger (Y/N)	No							
Coating		6	6	Minor soil corrosion at upper seams				
Corrosion By Soil (Y/N)	Yes	0	0	איזייטי שאיז נטורטאטור מנ עצער שבמווש				
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG								
	NEG							
Ponding (Y/N)	No							

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

			Bridge Culvert Barrel									
Culvert Component				Explanation of Condition								
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S											
Fish Passage Adequacy		5	5									
Baffle		X	X									
(Type : )												
Waterway Adequacy			7	Culvert in use as cattlepass.								
Icing (Y/N)												
Silting (Y/N)	No											
Drift (Y/N)	No											
Barrel General Rating		5	5									
			ownet	ream End								
Culvert Component			Now	Explanation of Condition								
Direction	1	E		East								
	End Treatment (Concrete, Steel, STEEL											
Headwall	1	Х	Х									
Collar			X									
Wingwalls		X	X									
(Shape : )												
Cutoff Wall			X									
Bevel End		7	7									
Heaving (mm) 0												
Invert Above/Below Stream Bed ABOVE												
Above/Below (mm) 200												
Scour Protection		7	7	Concrete slab extended over streambed for 14m								
(Type : <b>NATURAL</b> )				-								
(Avg. Rock Size(mm) : )			-									
Scour/Erosion		7	7									
Beavers (Y/N)	No											
Downstream End General Ration	ng	7	7									
			truotu	re Usage								
				Explanation of Condition								
Channel (U/S and D/S)		Lust	110 W									
Alignment			6	Curves 70 degree @ D/S Primarily cattlepass usage								
Bank Stability			7									
HWM (m below Top of Culvert) 1.2				No visible HWM								
Drift (Y/N)	No											
Channel Bottom AGGRADING 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	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTC	)FF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		55.6/55.	6 Sufficiency Rating (Last/N (%)	ow) (	61.8/61.8 Est. Repl. Yr 2026		2026	Maint. Re	qd. (Y/N)	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		Previous /	Assistant's Name						
Next Inspection Date 22-		22-Feb-2014			Inspection Date	28-Sep-2010					
Inspection Cycle (Default) (months) 21											
Comment											