Bridge Culvert Inspection														
Bridge File Number 80787 -)787 -1 Bridge Culvert				Form Type		CUL1						
Year Built 1985		185				Lot No.			2					
Bridge or Town	Name NE	ERLA	RLANDIA				Inspector Name			Todd Warshawski				
Located Over	TR		RY TO SHO	AL CREE	K,		Inspector Class			BR CLS B				
Located On	661	1.04.1	1 7 785	583-51			Assistant Name							
Water Body CL/	Year							nt Class						
Navigabil, Cl./Ye					Inspection Date			27-May-2010						
Legal Land Location SE SEC 1			17 TWP 62 RGE 2 W5M					ntry By		Theresa Lacusta				
Longitude, Latitude -114:15:2		26, 54:21:21					ntry Date	•	21-Jun-2010					
Road Authority Alberta T		Transportation (AIT)					Poto	;	Amoid Assenneimer					
Contract Main. Area CMA10		IA10	0						Namo	Brent Herrick				
Clear Roadway/Skew 10.5 / 35		5 / 35	5 deg. (RHF)						ate					
AADT/Year	160) / 200	009 (A)					Follow-Lin By						
Road Classificat	tion RC	U-209)9G-90				гоном-ор Бу							
Detour Length (km) 3													
Bridge Culvert Information														
Number of Culve	erts	1									1			
Pipe #	Barrel	S	pan	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1 [MAIN	3	300	2110		SPE		37.8		152X51 3.0 EL		ELLIPSE		
Special Features	s													
Special Features	Special Features Comment													
					Ufi	lities (I	ocated	at)						
Utility Attachmer	nts													
Telephone							Gas							
Power	3 line, No	, North r/w.					Municipal							
Others		·					Problem (Y/N) No							
Remarks														
	Approach Road / Embankment													
					Last	Now	Explanation of Condition							
Horizontal Aligni	ment				7	7	Interse	ction to E	ast. West.					
Vertical Alignment			1		8	8								
Roadway Width (m) 10.5		10.500												
Embankment			1		N	7								
Sideslope (:	:1)		3.5											
(Height of Cov	/er(m) : 1.1)	1											
Guardrail (Y/N)			No											
Approach Road	d / Embanl	kment	General Rat	ing	7	7								
						Upstre	am End							
Culvert Compo	nent				Last	Now	Explan	ation of	Condit	ion				
Direction		N		_ Tagged on top of bevel.										
End Treatment (Others, None)	Concrete,	Steel,	STEEL			1								
Headwall					Х	X								
Collar				Х	X									
Wingwalls					Х	Х								
(Shape :)														
Cutoff Wall					Х	Х								

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Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		N	6	1m deep silt in bevel.						
Heaving (mm)	100									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	500									
Scour Protection			6							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		N	6							
Beavers (Y/N)	No		1							
Upstream End General Rating		8	6							
Culvert Commence		Bric	lge Cu	vert Barrel						
Culvert Component	tion Code: MAIN Eng	Last		Explanation of Condition						
	tion Code: MAIN, Spa	in (mm): 3300							
Barrel Last Accessible Date	23-Jan-2004			Water level to high. iewed from ends.						
Special Features										
Special Feature				Shape and condition appears ok.						
(Type :)										
Special Feature										
(Type:)										
Roof		N	N							
Measured Rise (mm)	2010									
Measured At Ring No.	5									
Sag (mm)	100									
Percent Sag	5									
Sidewall		N	N							
Measured Span (mm)	3382									
Measured At Ring No.	5									
Deflection (mm)	142									
Percent Deflection	4									
Floor		N	N							
Bulge (mm)										
Measured At Ring No.										
Abrasion (Y/N)										
Circumferential Seams		N	N							
Separation (mm)	0									
Longitudinal Seams			N	(Some gaps a resting R3 roof. Under water. 23/Jan/2004)						
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		Ν	6	Top 1/2 rated.						
Corrosion By Soil (Y/N)										
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm): 3300	, Rise (mm): 2110, Type: SPE)					
Fish Passage Adequacy			7						
Baffle	Baffle								
(Туре :)									
Waterway Adequacy			5						
Icing (Y/N)	No								
Silting (Y/N)	Yes								
Drift (Y/N)	No								
Barrel General Rating			4	(G.R. carried forward from 23/Jan/2004).					
		D	ownstr	eam End					
Culvert Component Last Now Explanation of Condition									
Direction		S							
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		X	X						
Collar			X						
Wingwalls		Х	X						
(Shape :)									
Cutoff Wall			Х						
Bevel End		N	6						
Heaving (mm)	100								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm) 500									
Scour Protection		N	5						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 200)									
Scour/Erosion			4	Scour hole from ditch culvert West of outlet. 2mx4mx1m-photo					
Beavers (Y/N)	No								
Downstream End General Ratin	ng	8	5						
		S	tructur	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)			1						
Alignment		7	7						
Bank Stability			7						
			<i>'</i>						
HWM (m below Top of Culvert)				HWm not visible.					
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			7						

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments		Department Com	ments		Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP		2010	10m3 at outlet and ditch.								
REMOVE DRIFT ACCUMU	LATION										
INSTALL CONCRETE/STE	EL LINING										
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTOFF											
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Ratin (%)	g (Last/Now)	44.4/44.	4 Sufficiency Rating (Last/N (%)	low) 7	70.8/53.7 Est. Repl. Yr 2025		2025	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	Dave	ave Lam Previous			Assistant's Name						
Next Inspection Date 27-Au		27-Aug-2013			Previous Inspection Date 02-Mar-2007						
Inspection Cycle (Default) (months) 39											
Comment											