Bridge Culvert Inspection													
Bridge File Number		73436 -1 Bridge Culvert					Form Type			CUL1			
Year Built		1987					Lot No.			4			
Bridge or Town Name PADDLE PRA			PRAIR			Inspector Name		Russel Vanderschaaf					
Located Over BOYER RIVER, 8.10.23, WATER			RCRS-	ST	Inspector Class			BR CLS B					
Located On 35:12 C1 18.483							Assistant Name						
Water Body Cl./Year							Assistant Class						
Navigabil. CI./Y						Inspection Date			15-Nov-2011				
Legal Land Location SW SE			SEC 5 TWP 103 RGE 22 W5M				Data Entry By		Theresa Lacusta				
Longitude, Latitude -117:36:51, 57:54:29						Data Entry Date		13-Dec-2011					
Road Authority Alberta Tra			Transportation (AIT)				Reviewer Name		Eric Carcoux				
Contract Main. Area CMA01							Review Date		12-Dec-2011				
Clear Roadway/Skew 11 / -15 deg. (LHF)							Dept. Reviewer Name		Steve Pasquan				
AADT/Year 1,130 / 2010 (A)			2010 (A)				Dept. Review Date		10-Jan-2012				
Road Classifica	tion	RAU-21	0-110				Follow-Up By						
Detour Length ((km)	6											
Bridge Culvert	Informa	ation											
Number of Culv	rerts		1										
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре	Length			Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		7100	4000		RPB		15.9		152X51	4.0	ELLIPSE	
Special Feature	s												
Special Features Comment													
	in to				Uti	lities (L	ocated	at)					
Telephone	ents						0.00						
							Gas						
Power	4 wires	es o/n along west ditch.											
Others							Probler						
Remarks Gauge station 3m from d/s end.													
	Approach Road / Ambankment												
Horizontal Alignment					6	6	Built on a curve, slight limited						
Vertical Alignment				7	8	site distance. No passing NB.							
Roadway Width (m) 11.000					<u>. </u>								
								Erosion on NW corner behind wingwall (1.2mx1.0m)					
	.1)		2.0		1	4							
Sideslope (<u>.</u>)	4 5)	3.0				-						
	ver(m).	1.5)	Vaa				Approach rail not attached to bridge						
Guardrail (Y/N) Yes					15mmx55mm spall on East curb. Curbs 30% scaling. 4 missing bolts on bridge rail. 6 missing bolts on guardrail. Hazard markers attached to 2nd guardrail post from structure.								
Approach Roa	d / Emb	ankme	nt General Rat	ing	6	6							
						Upstre	am End						
Culvert Component			Last	Now	Explanation of Condition								
Direction					W								
End Treatment (Concrete, Steel, CONCRETE Others, None)													
Headwall			6	5	30% scaling Wide vertical cracks on top of culvert.								
Collar			Х	Х									

Alberta Transportation

			Upstre	am End					
Culvert Component		Last	Now	Explanation of Condition					
Wingwalls			4	(South West wingwall leaning at top-May 16, 2008).					
(Shape :)									
Cutoff Wall			N						
Bevel End		Х	X						
Heaving (mm)									
Invert Above/Below Stream Bed	BELOW			Under snow.					
Above/Below (mm)	500								
Scour Protection		6	5	No evident problems through snow.					
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 300)									
Scour/Erosion		6	5	No evident problems.					
Beavers (Y/N)	No								
Upstream End General Rating		6	5						
		Brid	dge Cu	lvert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 7100	, Rise (mm): 4000, Type: RPB)					
Barrel Last Accessible Date	18-Feb-2010			~2m of water, viewed from ends.					
Special Features									
Special Feature									
(Type:)									
Special Feature									
(Туре :)									
Roof		6	6	Floor covered with ice.					
Measured Rise (mm)				Fst					
Measured At Ring No.									
Sag (mm)	10								
Percent Sag									
Sidewall		6	6						
Measured Span (mm)	7033			approx.cl - 18-Feb-2010					
Measured At Ring No.	5								
Deflection (mm) 67				deflection inward.					
Percent Deflection	1								
Floor		N	N	Under ice.					
Bulge (mm)									
Measured At Ring No.									
Abrasion (Y/N)			1						
Circumferential Seams		6	6						
Separation (mm) 0									
Longitudinal Seams		6	6	3N stagger on roof, none on sides.					
Total No. of Cracked Rings	0								
Total No. of Rings with Two Cracked Seams									
Min. Remaining Steel Between Cracks (mm)									
Proper Lap (Y/N)	Yes								
Longitudinal Stagger (Y/N)	No								
Coating		4	4	Pitting rust above ice level.					
Corrosion By Soil (Y/N)	Yes			Akaling deposit through roof bolts.					
Corrosion By Water (Y/N)	Yes								

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Bridge Inspection & Maintenance System (Web 2005)

73436 -1 Bridge Culvert

	Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 7100	, Rise (mm): 4000, Type: RPB)						
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N) Yes										
Fish Passage Adequacy		8	8							
Baffle		N	N							
(Type:)		1								
Waterway Adequacy		7	8							
Icing (Y/N)	Yes									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		6	6							
Culvert Compensat		D	ownstr	eam End						
Direction			NOW							
End Treatment (Congrete Steel	CONCRETE									
Others, None)	CONCRETE									
Headwall			6	Scalling on E and W side of headwall.~30%						
Collar			X							
Wingwalls		5	6	SE wingwall pile pushing North.						
(Shape :)			-							
Cutoff Wall		N	N							
Bevel End		Х	X							
Heaving (mm)										
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	700									
Scour Protection		5	6							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		5	6							
Beavers (Y/N)	No									
Downstream End General Ratin	ng	5	6							
		S	tructur	e Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment			7							
Bank Stability			7							
HWM (m below Top of Culvert)										
Channel Bottom NONE				Not visible-covered with snow.						
Beavers (Y/N) No										
(Fish Compensation Measure 1	NONE)									
(Fish Compensation Measure 2 ·	NONE)									
	,									

Structure Usage									
	L	Last	Now	Explanation of Condition					
Channel General Rating			7						

Maintenance Recommendations												
Inspector Recommendations		Year	Inspector Comments		Department Comr	nents	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTO	FF											
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No (%)	w)	66.7/66.	7 Sufficiency Rating (Last/No (%)	ow) (67.7/70.8	Est. Repl. Yr	2035 Maint. I		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 Bria		Pientsch	1	Previous /	Assistant's Name	Lisbeth Medir	Lisbeth Medina					
Next Inspection Date 15-		-2013	1	Previous Inspection Date 18-Feb-2010								
Inspection Cycle (Default) (months) 21			·									
Comment												