Bridge Culvert Inspection														
Bridge File Number 81028 -1 Bridge Culvert										CUL1				
Year Built		1986					Lot No.		4					
Bridge or Town	Name	DRAYTC	ON VALL				Inspector Name		Wade Nanninga					
Located Over		2ND ORI	DER TRIBUT/ 3.11.84.61.1, \				Inspector Class Assistant Name		BR CLS B					
Located On			1 22.782											
Water Body Cl./Year							Assistant Class		24 Jan 2011					
Navigabil. Cl./Ye	ear						Inspection Date Data Entry By		24-Jan-2011					
Legal Land Location NW SEC 33 TWP 49 RG								Data Entry Date		Theresa Lacusta 15-Feb-2011				
Longitude, Latitude -115:24:56			56 53-16-26							Arnold Assenheimer				
Road Authority Alberta Tr			ransportation		Reviewer Name Review Date			Arnold Assenneimer 14-Feb-2011						
Contract Main. Area CMA11														
Clear Roadway/Skew 9.7 / -25 d			deg. (LHF)		Dept. Reviewer Name									
AADT/Year 510 / 2009			09 (A)		Dept. Review Date Follow-Up By		22-Feb-2011							
Road Classificat	tion	RCU-209						ор Бу						
Detour Length (I	km)	35												
Bridge Culvert	Inform	ation												
Number of Culverts 1														
Pipe #	Barrel	S	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	-		2400		MP		35		125X26	2.8	ROUND		
Special Feature	s													
Special Feature	s Comi	ment												
								- ()						
Litility Attachmo	ata				Ut	liities (L	ocated	at)						
Utility Attachme	West	~h					Caa							
Telephone						Gas								
Power		es East r/w		+ 9 E0m 1	Neet		Municipal Problem (Y/N) No							
Others Pipeline 20 m north, 25m East & 50m V Remarks BF tag installed on top of West roof.					vesi.		FIODIEI	11 ( 171 <b>N</b> )	INO					
Remarks	ט ומי	y mstalleu			nnroa	ch Roa	d / Emb	ankment						
					Last		1			tion				
Horizontal Alignment			7	7	Explanation of Condition On curve with no passing.									
Vertical Alignment					8	8								
Roadway Width (m)		9.700												
Embookmont					N	7								
	mbankment Sideslope (:1)		4.0											
(Height of Cov		• <b>2 7</b> )	4.0				-							
Guardrail (Y/N)		. 2.1)	No											
Approach Road	d / Eml	bankmen	t General Rat	ing	7	7								
						Unctre	am End							
Culvert Compo	nent				Last			ation of	Condi	tion				
Direction				W		=Apiuli		- Shan						
End Treatment (Concrete, Steel, S Others, None)		STEEL												
Headwall					Х	X								
Collar			x	Х										
Wingwalls					X	X								
(Shape : )														
Cutoff Wall	Cutoff Wall				X	X								

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	Upstream End									
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		N	N							
Heaving (mm)	100									
Invert Above/Below Stream Bed BELOW				(16/Sept/2004) Iced over.						
Above/Below (mm) 300			1							
Scour Protection		N	N							
(Type : <b>RIP RAP</b> )										
(Avg. Rock Size(mm) : )		1	1							
Scour/Erosion		N	N							
Beavers (Y/N) Yes				One log across inlet.						
Upstream End General Rating		7	7	G.R. carried forward from 16/Sept/2006.						
		Brid	dae Cu	lvert Barrel						
Culvert Component		1	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 2400, Type: MP)						
Barrel Last Accessible Date	18-Apr-2001		-	Ice to 600mm from crown, shape appears good, no change.						
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Туре : )										
Roof		7	7							
Measured Rise (mm)										
Measured At Ring No.										
Sag (mm)										
Percent Sag										
Sidewall		N	N	(Measured 2400mm span near c/l. 18/Apr/2001)						
Measured Span (mm)	2400									
Measured At Ring No.										
Deflection (mm)	0									
Percent Deflection	0									
Floor		N	N							
Bulge (mm)	0									
Measured At Ring No.	-									
Abrasion (Y/N)	No			1						
Circumferential Seams		N	5							
Separation (mm)	100									
Longitudinal Seams		Х	X							
Total No. of Cracked Rings			~							
Total No. of Rings with Two Cracked Seams										
Min. Remaining Steel Between Cracks (mm)										
Proper Lap (Y/N)				1						
Longitudinal Stagger (Y/N)				1						
Coating		4	4	Pitting rust at ice line.						
Corrosion By Soil (Y/N)		-								
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	NEG									
	1									
Ponding (Y/N)	Yes									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 2400, Type: MP)					
Fish Passage Adequacy		7	7						
Baffle		N	N						
(Туре : )									
Waterway Adequacy		5	5	(16/Sept/2004) Iced over.					
Icing (Y/N)	Yes								
Silting (Y/N)	No								
Drift (Y/N)	No			1					
Barrel General Rating		N	N	(G.R. was 6 from 18/Apr/2001)					
		D	ownstr	eam End					
Culvert Component		Last	Now	Explanation of Condition					
Direction	1	E	-						
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		Х	Х						
Collar			Х						
Wingwalls		Х	Х						
(Shape : )									
Cutoff Wall		Х	X						
Bevel End		N	N						
Heaving (mm)	100								
Invert Above/Below Stream Bed	BELOW			(16/Sept/2004) Iced over, no sign of problem.					
Above/Below (mm)	200								
Scour Protection			N	Snow covered.					
(Туре : )									
(Avg. Rock Size(mm) : )									
Scour/Erosion			N						
Beavers (Y/N)	No								
Downstream End General Ratin	ıg	7	7	G.R. carried forward from 16/Sept/2004.					
		S	structu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment		8	8						
				HWM not visible.					
Bank Stability		8	8						
HWM (m below Top of Culvert)	0.5			Log lodged at top of inlet.					
Drift (Y/N)	Yes								
Channel Bottom Degrading/Aggrading									
Beavers (Y/N)	Yes								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating			8						

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/CUTC												
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)		55.6/55.	6 Sufficiency Rating (Last/N (%)	low) 5	58.7/58.6 Est. Repl. Yr 2027		2027	Maint. Reqd. (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 Dave		.am		Previous /	vious Assistant's Name							
		-2014		Previous Inspection Date 16-Dec-2007								
Inspection Cycle (Default) (months) 39												
Comment												