Bridge Culvert Inspection												
Bridge File Number	70978	70978 -1 Bridge Culvert				Form Typ			CUL1			
Year Built	1979	1979				Lot No.			4			
Bridge or Town Nar	ne DORO	THY				Inspector Name			Jon Davies			
Located Over	TRIBU	TARY TO DEA	DHORSE	CREE	K,	Inspect	or Class		BR CLS B			
	15.1.1,	01 42 419	51			Assista	nt Name					
Weter Redy CL/Vee	504.00	01 43.410				Assistant Class						
Navigabil CL/Year	1					Inspection Date			23-Jan-2012			
Logal Land Logation SE SEC 6 TWD 26 DCE 10 W/4				N/I		Data Entry By			Lauren Korte			
	itude Letitude 112:29:27 51:11:00					Data Entry Date			08-Mar-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name			Garry Roberts				
Contract Main Area	Alberta mansportation (ATT)					Review	Date		03-Feb-2012			
Clear Roadway/Ske	May/Skew 11/0 deg					Dept. Reviewer Name			Tim Davies			
AADT/Year	Vear 150 / 2010 (Δ)					Dept. Review Date			11-Mar-2012			
Road Classification	RCU-2	09-110				- Follow-Up By						
Detour Length (km)	6					-						
Bridge Culvert Information												
Number of Culverts 1												
Pipe # Bari	el	Span	Rise (or	Dia.)	Туре	Length			Corr. Profile	PI./Slab Thickness	Shape	
1 MAI	N	2310	2560		SPE		38		152X51	2.8	ELLIPSE	
Special Features												
Special Features Co	omment											
Litility Attachmente				Ut	littles (L		at)					
Power TV							ادر					
Others						Problem (Y/N) No						
Remarks												
			А	pproa	ch Road	d / Emba	ankment					
				Last	Now	Explanation of Condition						
Horizontal Alignment			7	7	INTERSECT W/HWY 56 700 M EAST							
Vertical Alignment			9	8	Farm entrance /5m vvest.							
Roadway Width (m)		11.000										
Embankment				8	7							
Sideslope (:1)		3.0				_						
(Height of Cover(r	m) : 3)											
Guardrail (Y/N)		No										
Approach Road / E	Embankme	nt General Ra	ting	7	7							
					Upstre	am End						
Culvert Componer	nt			Last	Now	Explan	ation of	Condi	tion			
Direction						South						
End Treatment (Con Others, None)	ncrete, Stee	el, STEEL										
Headwall				X	Х							
Collar			X	Х								
Wingwalls			X	X								
(Shape :)												
Cutoff Wall				V	Y							

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	Upstream End									
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		7	6	_						
Heaving (mm)	100									
Invert Above/Below Stream Bed	ABOVE			_						
Above/Below (mm)	100		-							
Scour Protection		5 4		Minor settlement at bevel. Rock displaced at SE.						
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 250)		1	-							
Scour/Erosion			5							
Beavers (Y/N)	No									
Upstream End General Rating			4							
		Brid	dge Cu	Ivert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 2310), Rise (mm): 2560, Type: SPE)						
Barrel Last Accessible Date	23-Jan-2012									
Special Features										
Special Feature										
(Туре :)										
Special Feature										
(Type:)										
Roof		6	6	Minor roof damage at construction. Dents at U/S and D/S						
Measured Rise (mm)	2470			Estimata						
Measured At Ring No.	5			- Estimate.						
Sag (mm)	90			1						
Percent Sag	4									
Sidewall		5	4	0.5 M LONG HORIZ RIP IN SIDEWALL AT 9:00. Now buckling						
Measured Span (mm)	2420		-	10mm - repaired with patch 300mm x 1m.						
Measured At Ring No.	4			- No change.						
Deflection (mm)	110									
Percent Deflection	5									
Floor		N	N	(FEW BOLTS MISSING NEAR U/S END. FEW NUTS MISSING ON						
Bulae (mm)	0			3RD RING FROM D/S END.) 25-Nov-2008						
Measured At Ring No.	-			Floor is ice covered.						
Abrasion (Y/N)	No									
Circumferential Seams		6	6							
Separation (mm)	0									
		4	4	Ring 4 E swall longit seam crk 4 bolt holes - 135 mm steel remaining						
Total No. of Cracked Rings	2			Ring 2, W swall longit seam crk 3 bolt holes - 140mm steel remaining						
Total No. of Rings with Two Cracked Seams	0			Lower side wall/ Floor longitudinal seam not visible.						
Min. Remaining Steel 135				1N stagger.						
Proper Lap (Y/N)	No			-						
Longitudinal Stagger (Y/N) Yes										
		6	5							
Corrosion By Soil (Y/N) Ves		0	5							
Corrosion By Water (Y/N)	Yes			Minor corrosion at waterline and below.						
Camber POS/7ERO/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, Locat	ion Code: MAIN, Spa	<u>n (mm</u>): 2310	, Rise (mm): 2560, Type: SPE)					
Fish Passage Adequacy			5						
Baffle			Х						
(Туре :)									
Waterway Adequacy		7	7						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating			4						
Downstream End									
Culvert Component		Last	Now	Explanation of Condition					
Direction				North					
End Treatment (Concrete, Steel, Others, None)	STEEL		1						
Headwall		Х	X						
Collar			X						
Wingwalls		Х	Х						
(Shape:)									
Cutoff Wall		X	X						
Bevel End		7	6						
Heaving (mm)	150								
Invert Above/Below Stream Bed	ABOVE			-					
Above/Below (mm)	300		1						
Scour Protection		5	5						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 200)			1						
Scour/Erosion		5	5						
Beavers (Y/N)	No								
Downstream End General Ratin	ıg	5	5						
		S	Structur	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)			-						
Alignment			8	LOW FLAT BANKS					
Bank Stability			8						
HWM (m below Top of Culvert)				NO HWM VISIBLE					
Drift (Y/N)	No								
Channel Bottom NONE Degrading/Aggrading									
Beavers (Y/N) No									
(Fish Compensation Measure 1 : NONE)									
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		8	8						

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments		Department Comm	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTOFF											
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		44.4/44.4	.4 Sufficiency Rating (Last/N (%)	ow) t	53.3/58.6 Est. Repl. Yr 202		2020	Maint. Reqd. (Y/N)		No	
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By				Date	Estimated Total 0						
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	William	illiam Reardon Previous			Assistant's Name						
Next Inspection Date 23-A		3-Apr-2015			Previous Inspection Date 25-Nov-2008						
Inspection Cycle (Default) (months) 39											
Comment											