Bridge Culvert Inspection														
Bridge File Number 76479 -1			-1 Bridge Culvert				Form Type			CUL1				
Year Built 1966							Lot No.			1				
Bridge or Town Name JOUSSAF			ARD				Inspector Name			Russel Vanderschaaf				
Located Over TRIBUTA 8.11.80.5		RIBUTA .11.80.5	JTARY TO LESSER SLAVE RIVER, 0.55, WATERCRS-ST				Inspector Class			BR CLS B				
Located On 2:50 C1 4			43.573					Assistant Name						
Water Body CI./Year					Assistant Class			12 Fab 2012						
Navigabil. Cl./Ye	ear						Inspection Date			12-Feb-2013				
Legal Land Location SW SEC			10 TWP 74 R		Data Entry Data			12 Apr 2012						
Longitude, Latitude -116:04:2		25, 55:23:47				Reviewer Name			Fric Carcoux					
Road Authority Alberta T		ransportation		Review			07-Apr-2013							
Contract Main. Area CMA06				Dept. Reviewer Name		01 / (pl=2010								
Clear Roadway/Skew 10.5 / 0 d		0.5 / 0 d	leg.			Dept. R	. Review Date							
AADT/Year	AADT/Year 1,800 / 2		012 (A)			Follow-	Follow-Up By							
Road Classificat	tion R.	AU-210)-110											
Detour Length (I	km) 50	0												
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	2	905	3203		SPE		41.5		152X51	3.5	ELLIPSE		
Special Features	S													
Special Features Comment														
					1 14	ilitios (l	ocatod	at)						
Litility Attachmer	nts				01	inties (L	Jocaleu	atj						
Telephone					Gas									
Power	6 wires North r/w						Municir	bal						
Others	Superne	et fiber o	ptic in North r	ow.			Problem (Y/N) No							
Remarks	Remarks							. ,	1					
Approach Road / Embankment														
				Last	Now	Explanation of Condition								
Horizontal Alignment					7	7	-							
Vertical Alignment		1		8	8									
Roadway Width	(m)		10.500											
Embankment					7	7	No evident problems. Quad trail cut into North embankmentphoto							
Sideslope (:	1)		3.0											
(Height of Cov	ver(m) : 3.	.2)	1											
Guardrail (Y/N)			Yes											
Approach Road	d / Embai	nkment	General Rat	ing	7	7								
						Upstre	am End							
Culvert Component		Last	Now	Explan	ation of	Condit	tion							
Direction			S											
End Treatment (Concrete, Steel, STEEL Others None)														
Headwall				Х	X									
Collar			X	Х										
Wingwalls					×	x								
(Shape :)				Λ	Λ									
Cutoff Wall					X	X								

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			Upstre	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		3	3	Bevel end pushed in and catching driftphoto						
Heaving (mm)	200									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	200									
Scour Protection		N N		Erosion along SE side of bevel30-Mar-2011						
(Type : RIP RAP)				Snow covered						
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		N	N	Erosion 2m x 0.6m along SW side of bevel30-Mar-2011						
Beavers (Y/N)	Yes			Beaver dam 10m U/S end of culvert,-photo30-Mar-2011 Snow covered						
Upstream End General Rating		3	3							
		Brid	dae Cu	Ivert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm): 2905	, Rise (mm): 3203, Type: SPE)						
Barrel Last Accessible Date	12-Feb-2013		-	Ice 27m from crown						
Special Features										
Special Feature										
(Type:)										
Special Feature				_						
(Туре :)										
Roof		6	6							
Measured Rise (mm)	3081									
Measured At Ring No.	8									
Sag (mm)	122									
Percent Sag	4									
Sidewall	·	3	3	Cracked sidewall seam.						
Measured Span (mm)	3099			Min anon magguramente @ P2 & P14- 2951 & 2946 regnestively						
Measured At Ring No.	6			\sim 14 \sim 200 \sim 20						
Deflection (mm)	193									
Percent Deflection	7									
Floor			N	Perforations in floorphoto						
Bulge (mm)	0	0								
Measured At Ring No	7			1						
Abrasion (Y/N)	Yes			1						
Circumferential Seams		6	6							
Separation (mm)	0	0	0							
	•	2	2	Pinge 5 10 hove crocke on West well. Ding 7 hes 80mm left - shate						
Total No. of Cracked Bings	6	3	3	_ Kings 5-10 have clacks on west wall. King / has outfin left - photo.						
Total No. of Rings with Two Cracked Seams	0									
Min. Remaining Steel Between Cracks (mm)	80			1N stagger.						
Proper Lan (Y/N)				-						
Longitudinal Stagger (V/N)	Ves			-						
	100	4	4	Dust on Journe 1/2, Ditting, Desferations on D/2 have bet 4:00, 42						
	Vaa	4	4	dia. Perforations at 7:00 position rings 2 & 3.						
Corrosion By Soil (Y/N)	res			Alkeline depends through reaf and side halts						
Corrosion By Water (Y/N)	res									
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

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Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel										
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	an (mm): 2905	, Rise (mm): 3203, Type: SPE)						
Fish Passage Adequacy		3	7	Due to inlet blockage.						
Baffle		X	Х							
(Туре :)										
Waterway Adequacy		4	7							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N) Yes										
Barrel General Rating		3	3							
Downstream End										
Ilvert Component		Last	Now	Explanation of Condition						
Direction	1	N								
End Treatment (Concrete, Steel, Others, None)	STEEL		1							
Headwall		X	X							
Collar		X	X							
Wingwalls		X	X							
(Shape :)										
Cutoff Wall		X	X							
Bevel End		4	7	Rate based on 20% visibility						
Heaving (mm)	200									
Invert Above/Below Stream Bed	nvert Above/Below Stream Bed ABOVE									
Above/Below (mm)	750		1							
Scour Protection		7	N	Snow covered						
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion			N	Snow covered						
Beavers (Y/N)	No									
Downstream End General Ratin	ng	4	7							
		S	tructur	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)			1							
Alignment		7	7							
Bank Stability			6							
HWM (m below Top of Culvert)				HWM not visible						
Drift (Y/N) No										
Channel Bottom DEGRADING Degrading/Aggrading				@ u/s end						
Beavers (Y/N)	Yes									
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		4	7							

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Maintenance Recommendations												
Inspector Recommendations			Year	Inspecto	r Comments		Department Com	ments	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT	ACCUMULATION		2013	Remove	beaverdam and drift.							
INSTALL CONCR	ETE/STEEL LINING											
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTOFF		DFF										
REPAIR SEAMS	REPAIR SEAMS											
OTHER ACTION	OTHER ACTION		2013	Repalace	9							
OTHER ACTION			2013	Repair u/	/s bevel							
OTHER ACTION												
OTHER ACTION												
OTHER ACTION								i .				
Structural Condition Rating (Last/Now) (%)		ow)	33.3/33.	.3 Sufficiency Rating (Las (%)		Now) 2	26.0/48.0	Est. Repl. Yr	2015	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next InspectionMonitor cracked seams. Monitor erosion along SW sid Preliminary design complete			ide of u/s e Jan 201	s bevel en 13.	d.		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 Sha		Shane	Shane Hall Prev				s Assistant's Name					
Next Inspection Date 12-		12-Nov-2014			Previous	us Inspection Date 18-Jul-2012						
Inspection Cycle (Default) (months) 21		21										
Comment												