		77007 4			Бпад	e Cuive		CIION					
Bridge File Number		77967 -1 Bridge Culvert					Form Type		CULE				
Prides on Taxen Names OLAV/EL			74				Lot No.		1				
Bridge or Town	Name	SLAVE L					Inspector Name		Wade Nanninga				
Located Over		TRIBUTA 8 11 80 3	RIBUTARY TO LESSER SLAVE RIVER, 1 11.80.35. WATERCRS-ST				Inspector Class		BR CLS A				
Located On		88:04 C1	04 C1 2.281				Assistant Name						
Water Body CL					Assistant Class								
Navigabil CL/Y	ear						Inspection Date		27-Mar-2013				
Legal Land Loc	5 TWP 76 RGF 6 W5M				Data Entry By		Theresa Lacusta						
Longitude Latit		-114.54.3	4:22 55:33:33					ntry Date		16-Apr-2013			
Road Authority Alberta T			a Transportation (AIT)					Reviewer Name		Eric Carcoux			
Contract Main, Area CMA06								Review Date		11-Apr-2013			
			C					Dept. Reviewer Name		Brent Herrick			
			(2012 (A)					Dept. Review Date		23-Apr-2013			
Road Classification DALL 201			2012 (A)					Follow-Up By					
Detour Length (Road Classification RAU-211			11.0-110									
Bridge Culvert		ation											
Number of Culv	erts	1											
Pipe #	Barrel	S	Span	Rise (or Dia.)		Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape	
1	U/S	-		3050		SP		24.4		152X51	3.5	ROUND	
1	MAIN	-		2740		SP		29.3		152X51	3.0	ROUND	
Special Feature	s	E	BARREL ELBO	DW. SHO	TCRE	TE BEA	M	2010					
Special Feature	es Comr	nent		, 00		,							
					Uti	lities (L	ocated	at)					
Utility Attachme	ents						1		1				
Telephone						Gas							
Power	5 lines	s West r/w	/.				Municipal						
Others							Proble	n (Y/N)	No				
Remarks													
Approach Road / Embankment													
				Last	Now	Explan	ation of	Condr	tion				
Horizontal Align	iment				8	8	-						
Vertical Alignment				8	8								
Roadway width	n (m)		9.600										
Embankment					7	7							
Sideslope (:1)		4.0										
(Height of Cov	ver(m):	6)											
Guardrail (Y/N)			No										
Approach Roa	d / Emb	ankmen	t General Rat	ing	8	8							
						Unstre	am End						
Culvert Compo	onent				Last	Now	Explan	ation of	Condi	tion			
Direction			1		E		· ·						
End Treatment (Concrete, Steel, CONCRETE													
Headwall			5	N	Snow covered								
Collar		4	N	Extra c	Extra concrete beside collar broken. Large cracks & he		heaving away						
							from collar. Concrete extends into bevel causing fast water that deflects off elbow09-Jun-2011						
Wingwalls	Wingwalls				X	X							
(Shape:)	(Shape)												
						Page	1 of 5						

Alberta Transportation

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Cutoff Wall		N	N							
Bevel End		6	N							
Heaving (mm)	100									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm) 600										
Scour Protection		5	N							
(Type : RIP RAP)		0								
$(Avg, Rock Size(mm) \cdot 300)$										
Scour/Erosion		5	N							
Beavers (Y/N)	Yes			Beaver dam 10m upstream						
Upstream End General Rating		4	4	GR carried fwd.						
		Det								
Culvert Component		Brid		Explanation of Condition						
(Dipo # : 1 Primary Span Loop	tion Code: U/S. Snon			Explanation of Condition						
Pipe # . I, Primary Span, Loca	Code: 0/5, Span	(mm):	,	(inin): 3050, Type: SP)						
Barrel Last Accessible Date	27-Mar-2013									
Special Features										
Special Feature		7	7							
(Type : BARREL ELBOW)										
Special Feature										
(Type :)										
Roof		5	5							
Measured Rise (mm)										
Measured At Ring No.	Measured At Ring No.									
Sag (mm)	Sag (mm)			est						
Percent Sag	1									
Sidewall		4	4	Cracking at 9:00 ring 6.						
Measured Span (mm)	3055									
Measured At Ring No.	6									
Deflection (mm)	5									
Percent Deflection	0									
Floor		5	N							
Bulge (mm)	0									
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		5	5	1 bolt missing @ ring 2						
Separation (mm)	0									
Longitudinal Seams		4	4	Ring 6 @ 9:00.						
Total No. of Cracked Rings	1									
Total No. of Rings with Two Cracked Seams	0									
Min. Remaining Steel 125 Between Cracks (mm)										
Proper Lap (Y/N) No				- 1N						
Longitudinal Stagger (V/N) Ves										
Coating		3	3	3 perforations @ 7.00 in ring 6 (photo)						
Corrosion By Soil (V/N)	Yes	5	5							
Corrosion By Water (V/N)	Vas									
	7500									
Camper POS/ZERO/NEG	ZEKU									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

77967 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: U/S, Span	(mm):	, F	Rise (mm): 3050, Type: SP)					
Ponding (Y/N)	No								
Fish Passage Adequacy		4	4	Hanging outlet.					
Baffle		Х	X						
(Туре :)									
Waterway Adequacy		5	5						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel Extension General Ratir	ng	4	4						
		Pric		lvort Porrol					
Culvert Component		l ast	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	. Rise (mm): 2740. Type: SP)					
Barrel Last Accessible Date	27-Mar-2014		,-						
Special Features									
Special Feature		5	5						
(Type : SHOTCRETE BEAM)			1	-					
Special Feature									
(Туре :)			-						
Roof	1	5	2						
Measured Rise (mm)				-					
Measured At Ring No.	7			est					
Sag (mm)				-					
Percent Sag	6								
Sidewall	1	5	5	Shotcrete beam entire length of 2740.					
Measured Span (mm)									
Measured At Ring No.				-					
Deflection (mm)									
Percent Deflection	5		-						
Floor	-	6	N						
Bulge (mm)	0								
Measured At Ring No.									
Abrasion (Y/N)	NO								
Circumferential Seams		6	6						
Separation (mm)	0		-						
Longitudinal Seams		6	6						
Total No. of Cracked Rings 0				-					
Total No. of Rings with Two Cracked Seams	Total No. of Rings with Two Cracked Seams			1N					
Min. Remaining Steel Between Cracks (mm)									
Proper Lap (Y/N) No									
Longitudinal Stagger (Y/N) Yes									
Coating	1	6	6						
Corrosion By Soil (Y/N)	No								
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	ZERO								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

77967 -1 Bridge Culvert

Bridge Culvert Barrel										
Culvert Component		Last Now		Explanation of Condition						
(Pipe # : 1, Primary Span, Location Code: MAIN, Span):	, Rise (mm): 2740, Type: SP)						
Ponding (Y/N)	No									
Fish Passage Adequacy		4	4	Hanging outlet.						
Baffle		Х	Х							
(Type :)										
Waterway Adequacy		5	5							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		5	5							
		D	ownstr	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		W								
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		Х	X							
Collar		Х	Х							
Wingwalls		X	X							
(Shape :)										
Cutoff Wall		Х	X							
Bevel End	1	4	4	Bevel projects from fill 2.0 m.						
Heaving (mm)	300									
Invert Above/Below Stream Bed	ABOVE			-						
Above/Below (mm)	700									
Scour Protection		5	4	Large rock placed in outfall area is controlling streambed scour. Haunch area and shallow banks have widened. Froding bank at SW						
(Type : RIP RAP)				is stable.						
(Avg. Rock Size(mm) : 300)		4	4	Coour hale of down streams and widens showed by Am						
Scour/Erosion	1	4	4	Scour hole at down stream end widens channel by 4m						
Beavers (Y/N)	No									
Downstream End General Ration	ng	4	4							
	1	S	structu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		5	5							
Bank Stability			5							
HWM (m below Top of Culvert)				HWM not visible.						
Drift (Y/N)	Drift (Y/N) No									
Channel Bottom DEGRADING				Upstream						
Beavers (Y/N)	Yes									
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		5	5							

Maintenance Recommendations												
Inspector Recommendations			Year Inspector Comments				Department Con	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT	ACCUMULATION											
INSTALL CONCR	ETE/STEEL LINING											
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTOFF												_
REPAIR SEAMS												
OTHER ACTION			2018	Replace								
OTHER ACTION												
OTHER ACTION												
OTHER ACTION					1							
Structural Condition Rating (Last/Now) (%)			44.4/44.	4.4/44.4 Sufficiency Rating (Last (%)		Now)	I0.8/40.1 Est. Repl. Yr 2018		Maint. Re	qd. (Y/N)	Yes	
Special Comments for Next Inspection	rch 2001 equate u ream bev	by MPA. ntil replac /el.	Replacement recommende	d.17-Mar- forations,	Department Comments							
Maintenance Reviewed By							Date			Estimated Tota	I 0	
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name Shar		Shane Hall			Previous Assistant's Name							
Next Inspection Date 27-		27-Dec-2014			Previous	Previous Inspection Date 09-Jun-2011						
Inspection Cycle (Default) (months) 21		21										
Comment												