					D	0 -		-1:						
Deider - Ell M	aa la = ::	07007	4 Dwister - O 1		<u>snid</u> g	e Culve	ert Inspe			CLILM				
	dge File Number 07037 -1 Bridge Culvert						Form Type			CULM				
Year Built	Nam-	1965 ALIX					Lot No.			Pove Lem				
Bridge or Town Name ALIX Located Over HAUNTED LAKE, 3.56.2.1.1.				201111	\/ ^ T C	DCDC	Inspector Name		Dave Lam					
ST).∠.1.1.1, V	VAIE	RURS-	Inspector Class Assistant Name		BR CLS A					
Located On		601:02	C1 9.489					Assistant Class						
Water Body Cl	Vater Body CI./Year					Inspection Date				12-Jul-2011				
Navigabil. Cl./Year							Data Entry By		Marcia Chavez					
Legal Land Location NW SEC 32 TWP 39 RGE 22 W					4M			Data Entry Date		16-Aug-2011				
Longitude, Latitude -113:08:50, 52:24:11							Reviewer Name		John O'Brien					
Road Authority Alberta Transportation (AIT)							Review Date		27-Jul-2011					
Contract Main. Area CMA20					Dept. Reviewer Name				Name					
Clear Roadway/Skew 8 /						Dept. Review Date			22-Aug-2011					
AADT/Year		810 / 20)10 (A)				Follow-L							
Road Classific	ation	RCU-20	09-110					7						
Detour Length	(km)	5												
Bridge Culver														
Number of Cul	verts		2	T		1								
Pipe #	Barrel		Span	Rise (or D	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN		-	1200		MP	23.8			68X13	2.8	ROUND		
2	MAIN		-	1200		MP		23.8		68X13	2.8	ROUND		
Special Featur				1.200						, , , , , , ,	1-10	11100112		
Special Featur		ment												
•														
					Uti	ilities (L	Located a	at)						
Utility Attachm														
Telephone	East r				Gas									
Power 3 wires West of c/l.							Municipa							
Others	Fibre	optics Ea	ast r/w.				Problem	1 (Y/N)	No					
Remarks				Δ		ah Daar	d / Embai	n lann om t						
				1	Last		Explana		Condi	tion				
Horizontal Alig	nment				5	5				to South.				
Vertical Alignm					6	6	June	, , , , , , , , , , , , , , , , , , , ,	ou. vo	to Count				
Roadway Widt			8.000											
Embankment					7	7								
Sideslope (_			2.0				(07Oct2009). W pipe submerged.							
(Height of Co		1.5)				, , , , , , , , , , , , , , , , , , , ,								
Guardrail (Y/N))		No											
Approach Roa	ad / Emi	bankme	nt General Rat	ting	5	5								
						Unstre	am End							
Culvert Comp	onent				Last			ation of	Condi	tion				
(Pipe # : 1, Sp		e: Prima	ry Span)					v .						
Direction	- , , ,		<i>y</i> - ₁ ,,		N		W pipe I	ower tha	an F ni	pe.				
End Treatment (Concrete, Steel, Others, None)						3 .	– Pi	ı 						
Headwall				Х	X									
Collar					Х	X								
Wingwalls	Wingwalls				Χ	X								
(Shape:)														

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Span Type: Primary	/ Span)			
Cutoff Wall		Х	X	
Bevel End		6	N	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		6	N	
(Type : NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		6	N	
Beavers (Y/N)	No			
Upstream End General Rating		6	6	GR carried forward from 07Oct2009.
		Brid	dge Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	n):	, Rise (mm): 1200, Type: MP)
Barrel Last Accessible Date				W pipe. Totally submerged.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		6	N	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	50			
Percent Sag				
Sidewall		N	N	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)	50			
Percent Deflection				
Floor		N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	N	
Separation (mm)				
Longitudinal Seams		Х	Х	
Total No. of Cracked Rings				
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		5	N	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	Yes			

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	ı):	, Rise (mm): 1200, Type: MP)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	Yes			
Fish Passage Adequacy		6	N	
Baffle		Х	X	
(Type:)				
Waterway Adequacy		5	5	
Icing (Y/N)	No			(07Oct2009).
Silting (Y/N)	Yes			(6.63.2666)
Drift (Y/N)	No			
Barrel General Rating		N	N	GR carried forward from 07Oct2009.
	I	D		ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)			
Direction	I	S		W pipe.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		Х	X	
Wingwalls		X	X	
(Shape:)				
Cutoff Wall		X	X	
Bevel End	1	6	N	Totally submerged.
Heaving (mm)	300			
Invert Above/Below Stream Bed	BELOW			(07Oct2009).
Above/Below (mm)	300			
Scour Protection		6	N	(A few rocks. 07Oct2009).
(Type: NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion	I	6	N	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	6	6	GR carried forward from 07Oct2009.
		Last		am End
•			Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			Г
Direction End Treatment (Concrete, Steel,	STEEL	N		E pipe.
Others, None) Headwall		X	X	
Collar		X	X	
Wingwalls		X	X	
(Shape:)				1
Cutoff Wall		Х	Х	

			Heatra	on End
Culvert Component				Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Snan\	Lasi	INOM	Explanation of Condition
Bevel End	lary Spari)	6	4	Edge strip torn-off; top of barrel torn (photo).
	100	0	4	Eage strip torn-on, top or barrer torn (prioto).
Heaving (mm) Invert Above/Below Stream Bed				(07Oct2000) Poof only 150mm above water
	1000			(07Oct2009). Roof only 150mm above water.
Above/Below (mm) Scour Protection	1000	-	l NI	
		6	N	
(Type: NATURAL)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		6	N	
Beavers (Y/N)	No			
Upstream End General Rating		6	4	
		Brid	dge Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN,	Span (ı	nm):	, Rise (mm): 1200, Type: MP)
Barrel Last Accessible Date	07-Oct-2009			E pipe. Roof only 150mm above water. Viewed from N end only.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		6	6	(Approx 300mm silt on floor. 07Oct2009).
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		5	N	
Measured Span (mm)	1260			(07Oct2009).
Measured At Ring No.	3			
Deflection (mm)	60			
Percent Deflection	5			
Floor		N	N	(Silt covered. 07Oct2009).
Bulge (mm)	25			
Measured At Ring No.	-			
Abrasion (Y/N)				
Circumferential Seams		5	N	
Separation (mm)	60			
Longitudinal Seams		Х	Х	
Total No. of Cracked Rings				1
Total No. of Rings with Two				
Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		6	N	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

		Brid	dae Cu	Ivert Barrel			
Culvert Component		1	Now	Explanation of Condition			
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN, S	Span (r	mm):	, Rise (mm): 1200, Type: MP)			
Ponding (Y/N)	No						
Fish Passage Adequacy		5	5				
Baffle		Х	Х				
(Type:)							
Waterway Adequacy		5	5				
Icing (Y/N)	No			(07Oct2009).			
Silting (Y/N)	Yes			(07 0012000).			
Drift (Y/N)	No						
Barrel General Rating		5	5				
		D	ownstr	ream End			
Culvert Component		Last		Explanation of Condition			
(Pipe # : 2, Span Type: Second	larv Span)	1_0.01	1				
Direction	,,,	s		E pipe.			
End Treatment (Concrete, Steel, Others, None)	STEEL			p.po.			
Headwall		Х	Х				
Collar		X	X				
Collar Wingwalls		Х	X				
(Shape:)		1	1				
Cutoff Wall		X	X				
Bevel End		6	N	Totally submerged.			
Heaving (mm)	50						
Invert Above/Below Stream Bed	ABOVE						
Above/Below (mm)	1000						
Scour Protection		6	N				
(Type: NATURAL)							
(Avg. Rock Size(mm):)		1					
Scour/Erosion		6	N				
Beavers (Y/N)	No						
Downstream End General Ratio	ng	6	6	GR carried forward from 07Oct2009.			
		9	Structu	re Usage			
			Now	Explanation of Condition			
Channel (U/S and D/S)		1	111011				
Alignment		7	7				
Bank Stability		7	7				
HWM (m below Top of Culvert)				HWM not visible.			
Drift (Y/N)	No						
Channel Bottom Degrading/Aggrading	AGGRADING			(07Oct2009).			
Beavers (Y/N)	No						
(Fish Compensation Measure 1 :	NONE)						
(Fish Compensation Measure 2 :	NONE)						
Channel General Rating		7	7				

			Maintenance	Recommend	dations					
Inspector Recommendations	Year	Inspecto	or Comments		Department Com	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	i									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTO	OFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/No. (%)	ow) 55.6/5	5.6	Sufficiency Rating (Last/Now) (%)		58.0/56.2	Est. Repl. Yr	2017 Maint. Re		qd. (Y/N)	No
Special Comments for Next Inspection Equalizer pipes to la	ake. ical to perform	Lvl 2 insped	ction at this time.		Department Comments					
Maintenance Reviewed By					Date		E	Estimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Owen Salava			Previous	Assistant's Name					
Next Inspection Date	12-Oct-2014			Previous	Inspection Date	07-Oct-2009				
Inspection Cycle (Default) (months)	39									
Comment										