					Drida	o Culve	art Inche	otion					
Bridge File Num	ohor	73805 -1 Bridge Culvert				e Cuive	Culvert Inspection Form Type		CUL1				
Year Built		1984					Lot No.		4				
Bridge or Town		GLEICH	IENI				Inspector Name		-	Jon Davies			
Located Over			NIMAL, C	VER SF		Inspector Class		BR CLS B					
Located On								nt Name	BR CLS B	BR CLS B			
Located On 1:14 R1 28.526;1:14 L1 28.549  Water Body Cl./Year				9									
						Assistant C			44 Feb 2042				
Navigabil. Cl./Year					0/484		· ·	ion Date		11-Feb-2012			
Legal Land Location SE SEC 25 TWP 22 RGE 23 W4					VV4IVI			ntry By		Lauren Korte			
Longitude, Latitude -113:03:40, 50:53:52							ntry Date		18-Mar-2012				
Road Authority Alberta Transportation (AIT)					Reviewer Na			-	Garry Roberts				
Contract Main. Area CMA30					Review Date			27-Feb-2012					
Clear Roadway			5 deg. (Ll	11-)			<u> </u>		ne Tim Davies				
AADT/Year		5,940 / 2						Review Date	22-Mar-2012				
Road Classifica		RAD-41	2.4-120				Follow-	<b>U</b> р Ву					
Detour Length (		1											
Bridge Culvert			4										
Number of Culv			1	F	D: \	-			0 - "	DI (OL :			
	Barrel		Span	Rise (	or Dia.)	Туре		Length	Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	2400		MP		61	125X26	2.8	ROUND		
Special Feature	es												
Special Feature	es Comn	nent											
					Po	eting Ir	nformati	<b>0</b> n					
Required Vert.	Clearan	ce Postir	na (m)		FU	Sung II	IIOIIIIau	OH					
Posted Vertical				No									
Posted: Lane			ridge (m)	-	dvance (	(V/NI)	1.4	ane SB	On Bridge (m)	In Advar	nce (Y/N)		
Remarks		quired.	mage (III)		uvance (	(1/14)	L	arie   3b	On Bridge (III)	III Auvai	ice (1/14)		
Remarks	Not le	quireu.			1 14:	ilitios /l	_ocated	ot)					
Utility Attachme	nte				Ott	ilues (L	_ocateu	ai)					
Telephone	South	DΛΛ/					Gas						
Power	Journ	17, 44.					Municipal						
Others	Fibre (	ontic @ N	North P/M										
Remarks	i ibie (	priic e i	NOITH IN VV	•	optic @ North R/W. Problem (Y/N) No								
Remarks													
					Approac	ch Poa		, , ,					
Herimontal Alimana ant							d / Emba	ankment	dition				
Horizontal Align	ment				Last	Now	d / Emba	ankment ation of Con	dition				
Horizontal Align					Last 8	Now 8	d / Emba	ankment	dition				
Horizontal Align Vertical Alignme Roadway Width	ent		25.400		Last	Now	d / Emba	ankment ation of Con	dition				
Vertical Alignme	ent		25.400		Last 8	Now 8	d / Emba	ankment ation of Con urve to east.	dition				
Vertical Alignme Roadway Width	ent n (m)		25.400		8 7	8 7	Explan Crest c	ankment ation of Con urve to east. South.					
Vertical Alignme Roadway Width Embankment Sideslope (	ent n (m)	)			8 7	8 7	Explan Crest c	ankment ation of Con urve to east.					
Vertical Alignme Roadway Width Embankment	ent n (m) _:1) ver(m) :	)			8 7	8 7	Explan Crest c	ankment ation of Con urve to east.					
Vertical Alignme Roadway Width Embankment Sideslope ( (Height of Co	ent n (m) ::1) ver(m) :		3.0		8 7	8 7	Explan Crest c	ankment ation of Con urve to east.					
Vertical Alignme Roadway Width Embankment Sideslope ( (Height of Cor Guardrail (Y/N)	ent n (m) ::1) ver(m) :		3.0		8 7 8 8	Now   8   7     8     8	Explan Crest c 4:1 @ S Top of	ankment ation of Con urve to east.  South. pipe exposed					
Vertical Alignme Roadway Width Embankment Sideslope ( (Height of Cor Guardrail (Y/N) Approach Roa	ent n (m) :1) ver(m):		3.0		8 7 8 8 7	8 7 8 Upstre	d / Emba Explan Crest c 4:1 @ S Top of	ankment ation of Con urve to east.  South. pipe exposed	I in median.				
Vertical Alignme Roadway Width Embankment Sideslope (	ent n (m) :1) ver(m):		3.0		8 7 8 East	Now   8   7     8     8	Explan Crest c 4:1 @ S Top of am End Explan	ankment ation of Con urve to east.  South. pipe exposed	I in median.				
Vertical Alignme Roadway Width Embankment Sideslope (	ent n (m) :1) ver(m): d / Emb	ankmer	3.0 Yes		8 7 8 8 7	8 7 8 Upstre	d / Emba Explan Crest c 4:1 @ S Top of	ankment ation of Con urve to east.  South. pipe exposed	I in median.				
Vertical Alignme Roadway Width Embankment Sideslope ( (Height of Cor Guardrail (Y/N) Approach Roa Culvert Compo	ent n (m) :1) ver(m): d / Emb	ankmer	3.0 Yes		8 7 8 East	8 7 8 Upstre	Explan Crest c 4:1 @ S Top of am End Explan	ankment ation of Con urve to east.  South. pipe exposed	I in median.				

Culvert Commons t				eam End				
Culvert Component		Last	Now	Explanation of Condition				
Wingwalls		X	X					
(Shape: )								
Cutoff Wall		X	X					
Bevel End		X	X					
Heaving (mm)								
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	200							
Scour Protection		7	7					
(Type : <b>NATURAL</b> )								
(Avg. Rock Size(mm):)			_					
Scour/Erosion		7	7					
Beavers (Y/N)	No							
Upstream End General Rating		7	7					
		Bri	dae Cu	lvert Barrel				
Culvert Component		Last		Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	ation Code: MAIN, Spa			, Rise (mm): 2400, Type: MP)				
Barrel Last Accessible Date	11-Feb-2012			1200mm CSP 10 m West with manhole riser @ median.				
Consist Footones								
Special Feature								
Special Feature								
(Type:)								
Special Feature								
(Type:)		T _	Ι_					
Roof	0.400	5	5	End of barrel on North bent on roof and West side, 200 mm.				
Measured Rise (mm)	2430			E-time-te-				
Measured At Ring No.	4			Estimate.				
Sag (mm)	30							
Percent Sag	1		1					
Sidewall		5	5	One area has punched through and is patched from inside. End of Ring 2.				
Measured Span (mm)	2455			- Transition months and a riving 2.				
Measured At Ring No.	4							
Deflection (mm)	55							
Percent Deflection	2							
Floor		N	N	Dirt up to 300mm deep.				
Bulge (mm)	0							
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		5	5	First section to South does not fit				
Separation (mm)	60			properly with other sections - oakum used.				
Longitudinal Seams		X	X					
Total No. of Cracked Rings	0							
Total No. of Rings with Two Cracked Seams	0							
Min. Remaining Steel Between Cracks (mm)	0							
Proper Lap (Y/N)								
Longitudinal Stagger (Y/N)								
Coating		4	4	Pitting @ midspan in roof.				
Corrosion By Soil (Y/N)	Yes			Moderate corrosion at exposed roof at ends and at lower sidewall.				
Corrosion By Water (Y/N)  Yes								

		Brid	dge Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	n):	, Rise (mm): 2400, Type: MP)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N) No				
Fish Passage Adequacy			Х	
Baffle		Х	X	
(Type:)				
Waterway Adequacy	I	7	7	Also handles drainage.
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		5	5	
				ream End
Culvert Component			Now	Explanation of Condition
Direction		S		South.
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		X	X	
Collar		X	X	
Wingwalls		Х	X	
(Shape: )			_	
Cutoff Wall		X	X	
Bevel End		Х	Х	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		7	7	
(Type: NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Downstream End General Ratio	Downstream End General Rating		7	
				re Usage
		Last	Now	Explanation of Condition
Grade Separation		1		
Road Alignment		X	X	
Roadway Surface		5	5	
(Type : <b>SOIL</b> )				
Icing (Y/N)	No			
Traffic Safety Features		Х	X	
Туре				
Lighting		X	Х	
Barrel Leakage (Y/N)	Yes			

Structure Usage								
		Last Now		Explanation of Condition				
Drainage		4	4	Grade of dirt in barrel will not allow drainage.				
Structure In Use (Y/N) No				Guide fencing broken @ North end. 2 posts leaning & 2 broken rails.				
Grade Separation General Rating			4					

		Maintenance	e Recommen	dations					
Inspector Recommendations	Year	Inspector Comments		Department Comm	nents		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS				·					
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	3								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 55.6/5	5.6 Sufficiency Rating (La	ast/Now)	64.0/64.0	Est. Repl. Yr	2022	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	Estimated Tota	1 0	
Proposed Long-Term Strategy				13.500		,-			
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name Garry		3	Previous	Assistant's Name					
Next Inspection Date	11-Nov-2013		Previous	Inspection Date	20-Jul-2010				
Inspection Cycle (Default) (months)	21								
Comment									