					D : -	. 0 -							
					Bridg	e Culve	ert Inspe						
			749 -1 Bridge Culvert				Form Type			CUL1			
Year Built 1984			· · · · · · · · · · · · · · · · · · ·				Lot No.			4			
Bridge or Town Name HEATH							Inspector Name			Jason Saly			
			ANIMAL, OVER SP				Inspector Class		BR CLS A				
Located On		21 7.908				Assistant Name							
Water Body Cl.	./Year							nt Class					
Navigabil. Cl./Y	/ear						Inspect	ion Date	30-Nov-2012				
Legal Land Loc	cation	SE SEC	12 TWP 44 F	RGE 5 W4N	M		Data E	ntry By	Marcia Chave	z			
		47, 52:46:40				Data Entry Date		15-Jan-2013	15-Jan-2013				
		Alberta 7	erta Transportation (AIT)				Reviewer Name		John O'Brien	John O'Brien			
Contract Main. Area CMA15							Review Date		14-Dec-2012				
Clear Roadway/Skew 9 /		9 /					Dept. Reviewer Name		ame Andrew Smikl				
AADT/Year		540 / 20	11 (A)				Dept. Review Date		e 17-Jan-2013				
Road Classifica	ation	RCU-20	9-110				Follow-	Up By					
Detour Length	(km)	5											
Bridge Culver													
Number of Cul			 1										
Pipe #			Span			Туре		Length	Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	-	2200		MP			25	125X26	2.8	ROUND		
Special Feature	es			'					<u> </u>	<u>'</u>			
Special Feature	es Comn	nent			Do	otina l	of a um at	lan					
Degratined \/ent	Classes	aa Daatin	(m-)		РО	sting ir	nformati	on					
Required Vert.													
Posted Vertica					,	2 () 1)		0.0	0.5:1.()		0.700		
Posted: Lane			Bridge (m)	In Adv	ance (Y/N)	No L	ane SB	On Bridge (m)	In Advan	ce (Y/N) No		
Remarks	Not red	quirea, c	attlepass.										
Litility Attaches	- mt-				Uti	lities (L	_ocated	at)					
Utility Attachme							Gas						
Telephone	South	1/W.							rossing 100m Wes	l.			
Power							Municip						
Others							Probler	n (Y/N) N	0				
Remarks													
								ankment					
					Last	Now	Explanation of Condition Located between 2 horizontal curves, immediately West of a "T"						
Horizontal Alig					7	7	Locate		2 horizontal curves,	immediately W	est of a "I"		
Vertical Alignment				7	7	iii koroo							
Roadway Width (m)		9.000											
Embankmant				8	N	Snow	overed.						
Embankment Sideslope (:1)		4.0		J	11	John C	overeu.						
		1 2\	4.0										
(Height of Co		1.2)	Voc				22 4	olona Nart	aboulds.				
Guardrail (Y/N)		Yes				22.4m along North shoulder.							
Approach Roa	ad / Emb	ankmen	nt General Ra	ting	7	7							
Only 1 C							am End						
Culvert Comp	onent					Now	Explan	ation of Co	ondition				
Direction End Treatment	(Concre	te, Steel	I, NONE		S								
Others, None) Headwall					X	X							
Headwall Collar													
					X	X	1						

80749 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Wingwalls		X	X	
(Shape:)			_	
Cutoff Wall		X	X	
Bevel End		Х	Х	Squared end.
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		X	N	Snow covered.
(Type: NATURAL)				
(Avg. Rock Size(mm):)				
Scour/Erosion		X	X	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Brid	dge Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm) :	, Rise (mm): 2200, Type: MP)
Barrel Last Accessible Date	30-Nov-2012			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		5	5	Hole in roof @ 11:00, R2, from construction near c/l.
Measured Rise (mm)	2070			Mower damage at N end.
Measured At Ring No.	2			
Sag (mm)	130			(5.9%. 26Jan2010).
Percent Sag	5			
Sidewall		4	4	E sidewall has collision damage at N end.
Measured Span (mm)	2337			Span at N end=2224=24mm Span at mid=2337=137mm=6.2%
Measured At Ring No.				Span at S end=2222=22mm
Deflection (mm)	137			6.2%
Percent Deflection	6			
Floor		N	N	Covered with dirt.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		8	7	
Separation (mm)	30		_	
Longitudinal Seams		X	X	
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		8	8	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			

		Brid	dge Cu	lvert Barrel				
Culvert Component		Last Now		Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):		, Rise (mm): 2200, Type: MP)				
Camber POS/ZERO/NEG ZERO								
Ponding (Y/N) No								
Fish Passage Adequacy	Fish Passage Adequacy							
Baffle		Х	Х					
(Type:)								
Waterway Adequacy	I	X	X					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		4	4					
				eam End				
Culvert Component			Now	Explanation of Condition				
Direction		N						
End Treatment (Concrete, Steel, Others, None)	NONE							
Headwall		X	X					
Collar		Х	X					
Wingwalls		X	X					
(Shape:)								
Cutoff Wall		X	X					
Bevel End		Х	X	Accident damage to NE side.				
Heaving (mm)	0			Squared end.				
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	300							
Scour Protection		X	N	Snow covered.				
(Type : NONE)								
(Avg. Rock Size(mm):)		1						
Scour/Erosion		X	X	Snow covered.				
Beavers (Y/N)	No		_					
Downstream End General Ratio	ng	4	4					
		S	Structu	re Usage				
		Last	Now	Explanation of Condition				
Grade Separation		1						
Road Alignment		7	7					
Roadway Surface		7	7					
(Type : GRAVEL)								
Icing (Y/N)	No							
Traffic Safety Features		X	X					
Туре								
Lighting		X	X					
Barrel Leakage (Y/N) No								

Structure Usage									
		Last	Now	Explanation of Condition					
Drainage		7	7						
Structure In Use (Y/N) No				Fences taken down @ North. Gate @ South.					
Grade Separation General Rating			7						

		Maintenance l	Recommen	dations					
Inspector Recommendations	Year	Inspector Comments		Department Com	ments		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/N (%)	low) 44.4/4	4.4 Sufficiency Rating (Las	t/Now)	65.0/65.1	Est. Repl. Yr	2028	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection Cattlepass not in u sees some use.	se; do not bothe	er straightening N end until rancher re	quests it or	it Department Comments					
Maintenance Reviewed By				Date		E	Estimated Tota	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)	Υ								
Proposed Action	2008.03.30 R Associates	eview in 2 years for continued usage.	Suggest inp	section by Bridges	for lack of guardrai	l, sag and	d culvert damaç	ge. Brownlee	e &
Previous Inspector's Name	Owen Salava		Assistant's Name						
Next Inspection Date	29-Feb-2016		Previous	Previous Inspection Date 26-Jan-2010					
Inspection Cycle (Default) (months)	39								
Comment									