Bridge Culvert Inspection														
Bridge File Num	nber 76082 -1 Bridge Culvert								CUL1					
Year Built 1982							Lot No.		2					
Bridge or Town Name BELLIS							Inspector Name		Kris Bosters					
							Inspector Class			BR CLS A				
							Assistant Name			Brian Cote				
Water Body Cl./Year				20.070			Assistant Class			2.18.17 90.10				
Navigabil. Cl./Ye							Inspection Date			11-Dec-2012				
		NE SEC	2 TWP 59 RGE 15 W4M				Data Entry By		Theresa Lacusta					
						Data Entry Date		15-Jan-2013						
							Reviewer Name		Eric Carcoux					
	Road Authority Alberta Contract Main. Area CMA07						Review Date		11-Dec-2012					
Clear Roadway/			ea (LHE)				Dept. Reviewer Name							
AADT/Year	OKCW	600 / 20					Dept. Review Date		18-Jan-2013					
Road Classificat	tion	RCU-209	· ,				Follow-		<u> </u>	10 0011 2010				
Detour Length (30	3 110				1 Ollow	ор Бу						
Bridge Culvert														
Number of Culve		1	 											
	Barrel		Span	Rise (or [Dia.)	Туре	Length		Corr. Profile	Pl./Slab Thickness	Shape			
1	MAIN			2314		SP		76.2		152X51	3.0	ROUND		
Special Feature		\	/ERT STEEL S			OI .	10.2			102/101		TROUND		
Special Feature			ZICI OILLE	5111010										
opoolar roataro	0 001111	Home												
					Uti	lities (L	ocated	at)						
Utility Attachme	nts													
Telephone	In We	st ditch.					Gas							
Power 3 wires 0/H 16.0m East of c/l.						Munici	pal							
Others							Proble	m (Y/N)	No					
Remarks														
				Ap	proac			ankment						
					Last	Now	Explanation of Condition							
Horizontal Alignment				6	6	Curve to North - no passing. Crest curve both directions.								
Vertical Alignment		_		6	6	010010								
Roadway Width (m)		9.500												
Embankment					7	7								
Sideslope (:1) 3.0		3.0												
(Height of Cov	/er(m) :	6.5)												
Guardrail (Y/N)	Guardrail (Y/N) No													
Approach Road	d / Emb	oankmen	t General Rat	ing	6	6								
						Upstre	am End							
Culvert Compo	nent				Last	Now		ation of	Condi	tion				
Direction				W		2m high beaver dam, 10m from inlet, creates a pond.								
End Treatment (Others, None)	(Concre	ete, Steel	, STEEL											
Headwall					Х	Х								
Collar			Х	Х										
Wingwalls			X	X										
(Shape:)				,,	1									
Cutoff Wall					X	X								
Caton van	Gulon vvan				^	^								

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			Unstre	eam End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		N	N	Dam inside inlet, upto within 150mm of crown.
Heaving (mm)	200			
Invert Above/Below Stream Bed				
Above/Below (mm)	150			
Scour Protection		7	N	
(Type : RIP RAP)		'	- ' '	-
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		7	N	
20041/21001011			'`	
Beavers (Y/N)	Yes			
		_	Ι_	
Upstream End General Rating		7	7	Carried over.
		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	an (mm	n):	, Rise (mm): 2314, Type: SP)
Barrel Last Accessible Date	28-Nov-1999			Water backed up from beavers. Water high, no access. Viewed from East end. Shape looks fair.
Special Features				
Special Feature		N	N	Steel HSS struts.
(Type: VERT STEEL STRUTS)				
Special Feature				
(Type:)				
Roof		N	N	(Estimated. 99/11/28)
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	100			
Percent Sag				
Sidewall		N	N	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)	100			
Percent Deflection	100			
Floor		N	N	
Bulge (mm)		14	1 1 1	
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	N	
Separation (mm)	0	IN	IN	
	U	N.I.	N.	(Min. 90mm stool remains between greater 00/44/00)
Longitudinal Seams	E	N	N	(Min. 80mm steel remains between cracks. 99/11/28)
Total No. of Cracked Rings	5			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Coating		N	N	(Minor superficial on lower 1/2. 26/May/2006)
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	NEG			

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		Brio	lge Cu	Ivert Barrel					
Culvert Component				Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2314, Type: SP)					
Ponding (Y/N)	Yes								
Fish Passage Adequacy		7	7						
Baffle		N	N						
(Type:)									
Waterway Adequacy		6	6						
Icing (Y/N)	Yes								
Silting (Y/N)	Yes								
Drift (Y/N)	Yes								
Barrel General Rating		N	N	G.R. was "6" from 28/Nov/1999 inspection.					
		D	ownstr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		Е							
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		Х	Х						
Collar		Х	Х						
Wingwalls		Х	Х						
(Shape:)									
Cutoff Wall		Х	Х						
Bevel End		7	7	Beaver dam @ end of bevel.					
Heaving (mm)	100								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	150								
Scour Protection		7	N	Snow covered.					
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 300)									
Scour/Erosion		7	N						
Beavers (Y/N)	Yes								
Downstream End General Ratio	ng	7	7						
		S		re Usage					
			Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment		7	7						
Bank Stability		6	6						
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N) Yes									
Channel Bottom DEGRADING Degrading/Aggrading									
Beavers (Y/N)	Yes								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating			7						

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Bridge Inspection & Maintenance System (Web 2005)

		Maintenance Reco	ommendations					
Inspector Recommendations	Year	Inspector Comments	Department Comr	ments	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS	1.55					- · · · · · · · · · · · · · · · · · · ·		
PLACE ADDITIONAL RIP RAP								
REMOVE DRIFT ACCUMULATION	2013	Beaver dams in inlet.						
INSTALL CONCRETE/STEEL LINING	ì							
INSTALL STRUTS								
INSTALL CONCRETE COLLAR/CUTO	OFF							
REPAIR SEAMS								
OTHER ACTION	2013	De-water and inspect.						
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/No. (%)	ow) 55.6/55	.6 Sufficiency Rating (Last/No (%)	w) 61.1/61.0	Est. Repl. Yr	2018	Maint. Re	qd. (Y/N)	Yes
Special Measure longitudinal Comments for Next Inspection	al seam cracks f	or movement.	Department Comments					
Maintenance Reviewed By			Date		E	stimated Total	1 0	
Proposed Long-Term Strategy								
On 3-Year Program (Y/N)								
Proposed Action								
Previous Inspector's Name	Melanie Johns	on F	revious Assistant's Name	Assistant's Name				
Next Inspection Date	11-Mar-2016	F	Previous Inspection Date 02-Sep-2009					
Inspection Cycle (Default) (months)	39							
Comment								