Bridge Culvert Inspection														
Bridge File Num	ber 70876 E-1 Bridge Culvert						Form Type		CUL1					
Year Built	uilt 1954						Lot No.		2					
Bridge or Town I	Name O	BED					Inspect	or Name		Shane Hall				
Located Over	Т	RIBUTA	RY TO ATHA	BASCA F	RIVER	,	Inspector Class		BR CLS A					
	8.	.11.128, 6.02 P1	AG 074	-51			Assista	nt Name	CUL1 2 11-Aug-2012 Theresa Lacusta te 11-Aug-2012 Theresa Lacusta te 10-Sep-2012 ne Eric Carcoux 31-Aug-2012 ar Name Brent Herrick Date 18-Sep-2012 Image: Sep-2012 Image: Sep-2012 Image: Sep-2012 Image: Se					
Water Body CLA	Voar	0.02 KT	40.974				Assistant Class							
Navigabil CL/Ve	ar						Inspection Date		11-Aug-2012					
Legal and Loca	ation S		21 T\\/P 52 R						Data Entry By		sta			
Longitude Latitu		117.10.5	5 53.30.08		5101		Data E	ntry Date 10-Sep-2012						
Road Authority	oad Authority Alberta Transportation (AIT)						Review	er Name		Eric Carcoux				
Contract Main. Area CMA13			(/ /				Review Date		31-Aug-2012					
Clear Roadway/Skew 17.3 /						Dept. Reviewer Name		Brent Herrick						
AADT/Year 5.630 / 20		D11 (A)		Dept. Review Date		18-Sep-2012								
Road Classificat	Road Classification RAD-412.4-120						Follow-Up By							
Detour Length (k	(m) 1						_							
Bridge Culvert Information														
Number of Culverts 1														
Pipe # E	Barrel	S	pan	Rise (or I	Dia.)	Туре	Length			Corr. Profile	PI./Slab Thickness	Shape		
1 N	MAIN	1	724	1901		SPE		55		152X51		ELLIPSE		
Special Features	S													
Special Features	s Comme	ent												
					+;	litios (l	ocatod	at)						
Litility Attachmer	nts				01	innes (L		atj						
Telephone	North r/v	w					Gas							
Power						Municipal								
Others						Problem (Y/N) No								
Remarks File tag on South (U/S).									1 -					
				Ap	proad	ch Road	d / Emba	nkment						
Last Now Explanation of Condition														
Horizontal Alignr	ment				7	7	Obed Mountain road. Entrance 100m West.							
Vertical Alignment				7	7	Long S	ag curve.							
Roadway Width	(m)		12.500											
Embankment					7	7								
Sideslope (:	1)		2.5											
(Height of Cov	er(m) : 6)												
Guardrail (Y/N)			No											
Approach Road	l / Emba	nkment	General Rat	ing	7	7								
						Upstre	am End							
Culvert Compo	nent				Last	Now	Explan	ation of	Condit	tion				
Direction			1		S		-							
End Treatment (Others, None)	Concrete	e, Steel,	STEEL											
Headwall					Х	X								
Collar			Х	X										
Wingwalls					Х	Х								
(Shape :)						_	ļ							
Cutoff Wall					Х	X								

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Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		6	5	Seam in bevel cusping.						
Heaving (mm)	300									
Invert Above/Below Stream Bed	BELOW			_						
Above/Below (mm)	100									
Scour Protection		7	7	_						
(Type : RIP RAP)				_						
(Avg. Rock Size(mm) : 300)										
Scour/Erosion			7							
Beavers (Y/N)	Yes		<u> </u>	Large beaver dam 5 m U/S approx 2.5m high.						
Upstream End General Rating			5							
			lae Cu	Ivert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	in (mm)): 1724	l, Rise (mm): 1901, Type: SPE)						
Barrel Last Accessible Date	11-Aug-2012									
	5									
Special Features		1								
Special Feature				_						
(Type:)			1	_						
Special Feature				_						
(Type:)										
Roof		5	5	Est rocks on floor						
Measured Rise (mm)				_						
Measured At Ring No.	11			_						
Sag (mm)	130									
Percent Sag	7									
Sidewall		5	4							
Measured Span (mm)	1862									
Measured At Ring No.	11									
Deflection (mm)	138									
Percent Deflection	8									
Floor		N	N	Rock covered (up to 500 mm deep).						
Bulge (mm)	0									
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		7	7							
Separation (mm)	0			1						
Longitudinal Seams		6	6	3 U/S sections have poor nesting, up to 18mm gap.						
Total No. of Cracked Rings										
Total No. of Rings with Two Cracked Seams										
Min. Remaining Steel Between Cracks (mm)				1N stagger.						
Proper Lap (Y/N)	No									
Longitudinal Stagger (Y/N)	Yes									
Coating		6	6	Superficial rust lower half.						
Corrosion By Soil (Y/N)	Yes									
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	NEG									
Ponding (Y/N)	Yes			Ponding due to negative camber. Uplift at D/S end holding water.						

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Bridge Inspection & Maintenance System (Web 2005)

70876 E-1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 1724	Rise (mm): 1901, Type: SPE)					
Fish Passage Adequacy		4	4	Hanging outlet. (However fish were seen in the culvert. 12/July/2005)					
Baffle		X	X						
(Туре :)									
Waterway Adequacy			6						
Icing (Y/N)	No			Rock throughout barrel. Silt @ d.s end.					
Silting (Y/N)	Yes								
Drift (Y/N) Yes									
Barrel General Rating			4						
Downstream End									
Culvert Component		Last	Now	Explanation of Condition					
Direction		Ν							
End Treatment (Concrete, Steel, Others, None)	STEEL		-						
Headwall		Х	X						
Collar		Х	X						
Wingwalls		X	X						
(Shape :)									
Cutoff Wall		Х	X						
Bevel End		6	6	Bevel twisting to the West.					
Heaving (mm) 300				Scouring bevel projectiong from fill.					
Invert Above/Below Stream Bed	nvert Above/Below Stream Bed ABOVE								
Above/Below (mm)	500								
Scour Protection		3	3	Bevel undermined for 1mphoto					
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 200)									
Scour/Erosion			3						
Beavers (Y/N)	Beavers (Y/N) No								
Downstream End General Ration	ng	3	3						
		S	tructur	e Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment			7						
Bank Stability			7						
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N) Yes									
Channel Bottom DEGRADING Degrading/Aggrading				Deg d/s. Dam u/s.					
Beavers (Y/N) Yes									
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating			7						

Alberta Transportation

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments		Department Com	iments		Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP		2013	Additional riprap D/S 5m3.								
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTC	DFF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No	ow)	55.6/44.	.4 Sufficiency Rating (Last/N (%)	low) t	51.4/45.4	Est. Repl. Yr 2030		Maint. Reqd. (Y/N)		Yes	
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date		E	Estimated Total	0		
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Eric 0		arcoux		Previous /	vious Assistant's Name						
Next Inspection Date 11		11-May-2014			Previous Inspection Date 16-Sep-2010						
Inspection Cycle (Default) (months) 21											
Comment											