					Brida	e Culve	ert Inspe	ection						
Bridge File Nun	nber								CUL1					
Year Built		2007					Lot No.	21		4				
Bridge or Town	Name)N					Inspector Name		Jon Davies				
Located Over		1	RIGATION C,	WATERC	RS-IC	;		or Class		BR CLS B				
Located On			0.463;9:02 L1					int Name						
Water Body Cl.	/Year							Int Class						
Navigabil. Cl./Year						Inspection Date		22-Nov-2011						
Legal Land Location SW SEC 14 TWP 24 RGE 27 W4I				4M	Data Entry				Anne Roberts					
Longitude, Latitude -113:40:46, 51:02:31							ntry Date	 1	21-Dec-2011					
Road Authority Alberta Transportation (AIT)						Reviewer Name		Garry Roberts						
Contract Main.	Area	CMA30		<u> </u>			Review			05-Dec-2011				
Clear Roadway/Skew 12 / 0 deg.						Dept. Reviewer Name								
AADT/Year		2,400 / 2	-				Dept. Review Date			10-Jan-2012				
Road Classifica	ation	RAU-212	. ,	()			Follow							
Detour Length		1						-1 5						
Bridge Culvert	· · · · · · · · · · · · · · · · · · ·	nation								I				
Number of Culv		1												
	Barrel	S	Span	Rise (or I	Dia.)	Туре	Length			Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	-		1600		MP		72		125X26		ROUND		
Special Feature	es	B	ARREL ELBO	W										
Special Feature	es Comi	ment E	stimate culve	rt length 1	24 m									
				-										
					Uti	lities (L	ocated	at)						
Utility Attachme														
Telephone	West			Gas Crossing 25m West of inlet										
Power		and East ROW					Municipal							
Others Fibre optic cable West and East ROW							Problem (Y/N) No							
Remarks				Α		b Daa		ankment						
				Ap	Last			ation of		tion				
Horizontal Alignment				7	7	Explai		Contan						
Vertical Alignment			7	7	-									
Roadway Width (m)			14.000											
Embankment				7	7	4.1 E +	W side s	slopes	and at D/S end	. U/S has servi	ce road.			
	Sideslope (:1) 4.0													
(Height of Co		: 3)		I										
Guardrail (Y/N)	`, <i>`</i>)	No											
Approach Roa	d / Eml	bankmen	t General Rat	ing	7	7								
						Upstre	am End							
Culvert Compo	onent				Last			ation of	Condi	tion				
Direction			W											
End Treatment Others, None)	(Concre	ete, Steel,	STEEL											
Headwall					Х	X								
Collar					Х	Х								
Wingwalls					Х	X								
(Shape :)														
Cutoff Wall				Х	X									
					~									

Alberta Transportation

	Upstream End								
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		8	8						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm) 300									
Scour Protection		7	7						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 200)									
Scour/Erosion			7						
Beavers (Y/N) No									
Upstream End General Rating			7						
		Brid	lge Cu	lvert Barrel					
Culvert Component		1		Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm)):	, Rise (mm): 1600, Type: MP)					
Barrel Last Accessible Date	22-Nov-2011								
Special Features									
Special Feature			7	Elbow at D/S end of Ring 3.					
(Type : BARREL ELBOW)									
Special Feature									
(Туре :)									
Roof		N	7						
Measured Rise (mm)	1565								
Measured At Ring No.	2								
Sag (mm)	35								
Percent Sag	2								
Sidewall		N	7						
Measured Span (mm)	1640								
Measured At Ring No.	2								
Deflection (mm)	40								
Percent Deflection	2								
Floor		N	N	500 mm of water					
Bulge (mm)	0								
Measured At Ring No.									
Abrasion (Y/N)	No								
Circumferential Seams		7	6						
Separation (mm) 15									
Longitudinal Seams		Х	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		7	7						
Corrosion By Soil (Y/N)	No								
Corrosion By Water (Y/N)	No								
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Brid	dae Cu	Ivert Barrel
Culvert Component		1		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp			, Rise (mm): 1600, Type: MP)
Fish Passage Adequacy		6	6	
Baffle		X	X	
(Туре:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		N	7	
			1	ream End
Culvert Component			Now	Explanation of Condition
Direction	0	E		-
End Treatment (Concrete, Steel, Others, None)	SIEEL			
Headwall	1	Х	Х	
Collar	Collar			
Wingwalls		X	X	
(Shape :)				
Cutoff Wall				
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	Invert Above/Below Stream Bed BELOW			
Above/Below (mm)	300			
Scour Protection		6	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		6	7	
Beavers (Y/N)	No			
Downstream End General Ration	າg	6	7	
		S	Structu	re Usage
				Explanation of Condition
Channel (U/S and D/S)	·			
Alignment			7	1600 mm CSP 8 m from D/S invert for service road.
Bank Stability			7	
HWM (m below Top of Culvert)			1	No visible HWM
Drift (Y/N) No				
Channel Bottom AGGRADING Degrading/Aggrading				
Beavers (Y/N) No				
(Fish Compensation Measure 1 :	1			
(Fish Compensation Measure 2 :	· · · · · · · · · · · · · · · · · · ·			
Channel General Rating			7	

Maintenance Recommendations											
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/Now) (%)		55.6/77.	8 Sufficiency Rating (Last/N (%)	low) 6	61.0/76.2	Est. Repl. Yr 2050		Maint. Reqd. (Y/N)		No	
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By				Date		Estimated Total	0				
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Rex Da	ex Davidson Previous			Assistant's Name						
		22-Aug-2013			Previous Inspection Date 25-May-2010						
Inspection Cycle (Default) (months) 21											
Comment											