					Brida	e Culve	ert Insn	ection						
Bridge File Nu	ridge File Number 74683 -1 Bridge Culvert				Ding	c ourv	Form Type		CUL1	CUL1				
Year Built 1957			<u> </u>				Lot No.		4					
Bridge or Town Name CARBON								tor Name	Owen Salava					
Located Over TRAIL-ANIMAL, OVER SP							tor Class	BR CLS A						
Located On 21:14 C1 16.381						Assistant Name		BITOLON						
Water Body Cl	/Year							ant Class						
Navigabil. Cl./							Inspection Date		18-Sep-2012	18-Sep-2012				
			2 31 T\//P 20				Data Entry By		Marcia Chave					
									03-Oct-2012					
										John O'Brien				
Road Authority Alberta								v Date		27-Sep-2012				
Clear Roadway/Skew 11 /							Dept. Reviewer Name							
AADT/Year	y/Skew	2,490 / 2	2011 (A)											
Road Classific	otion	RAU-21					Dept. Review Date		10-001-2012	16-Oct-2012				
		3	1.0-110				Follow-Up By							
Detour Length	· /	-												
Bridge Culver Number of Cul			1											
				Pice (or Dia)		Tuna		Longth	Corr. Profile	PI./Slab	Shana			
Pipe #	Barrel		Span	Rise (or		Туре		Length		Thickness	Shape			
1	MAIN		1800	1800		BPR		33			RECTANGLE			
Special Featur	es													
Special Featur	es Com	ment												
					Po	sting In	nformat	ion						
Required Vert.	Clearan	nce Postir	ng (m)											
Posted Vertica		,												
Posted: Lane	B NB	On B	Bridge (m)	In Adv	vance (	(Y/N)	No L	ane SB	On Bridge (m)	In Advar	nce (Y/N) No			
Remarks	Not re	equired.												
					Ut	ilities (L	ocated	at)						
Utility Attachm	ents													
Telephone	West	ditch.					Gas							
Power	2 wire	crosses	road 40m Nor	rth.			Municipal							
Others	Fibre	optic E r/	′w.				Proble	m (Y/N) No	)					
Remarks														
				Α	pproa	ch Road	d / Emb	ankment						
					Last	Now	Explanation of Condition							
Horizontal Alig	nment				8	8	Farm ent 20 m North. On crest of hill. Limited sight distance. No passing both directions							
Vertical Alignm	nent				6	6	On cre	st of hill. Lim	nited sight distance	e. No passing b	both directions.			
Roadway Widt	:h (m)		11.000											
Embankment			7	7	Numerous transverse cracks in ACP over & near pipe - sealed				be - sealed.					
Sideslope (_			3.0				-							
(Height of Co	over(m) :	: 1)												
Guardrail (Y/N) Yes														
Approach Road / Embankment General Rating		6	6											
Арргоасті ко		Jankinen	it General Ka	ung	0	0								
							am End							
Culvert Component			Last	Now	Explar	nation of Cor	ndition							
Direction					W		-							
End Treatment (Concrete, Steel, CONCRETE Others, None)														
Headwall				6	6	Isolated medium crack - Minor.								
Collar				X	X									

	Upstream End									
Culvert Component		Last	Now	Explanation of Condition						
Wingwalls		6	6	Wings are moving away from the barrel to 50 mm (photo). (Some						
(Shape : )				heaving of floor in West apron to 50 mm and 3 mm wide cracks. 22Feb2008).						
Cutoff Wall		N	N	Covered by dirt, not visible.						
Bevel End		Х	Х							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW			-						
Above/Below (mm)	50									
Scour Protection		6	6	_						
(Type : NATURAL)				-						
(Avg. Rock Size(mm) : )										
Scour/Erosion		6	6							
Beavers (Y/N)	No									
Upstream End General Rating	1	6	6							
		Brid	lae Cu	lvert Barrel						
Culvert Component				Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa									
Barrel Last Accessible Date	18-Sep-2012		,							
Special Features										
Special Feature										
(Type : )										
Special Feature										
(Type : )										
Roof		7	7	Midspan						
Measured Rise (mm)	1800		1							
Measured At Ring No.				-						
Sag (mm)	0			-						
Percent Sag				-						
Sidewall		6	6	Minor honeycomb at South wall (is leaking in this area. 95/08/23).						
Measured Span (mm)	1825		U	not evident this inspection.						
Measured At Ring No.				1						
Deflection (mm)	25			1						
Percent Deflection	-			1						
Floor		N	N	Mud covered - avg 100 mm deep.						
Bulge (mm)	0									
Measured At Ring No.										
Abrasion (Y/N)	No			1						
Circumferential Seams		X	Х	No circumferential seams, just form lines.						
Separation (mm) 0			~							
Longitudinal Seams		X	Х							
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)										

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel								
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	ın (mm	): 1800	, Rise (mm): 1800, Type: BPR)				
Coating		Х	Х					
Corrosion By Soil (Y/N)	No							
Corrosion By Water (Y/N) No								
Camber POS/ZERO/NEG ZERO								
Ponding (Y/N)	No							
Fish Passage Adequacy		Х	Х					
Baffle			Х					
(Type : )		1	1					
Waterway Adequacy		8 8		Takes some drainage West to East.				
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		6	6					
		D	ownstr	eam End				
Culvert Component		Last	Now	Explanation of Condition				
Direction	1	E	1					
End Treatment (Concrete, Steel, Others, None)	CONCRETE	_						
Headwall	1	5	5	Cracking - minor.				
Collar		X	X					
Wingwalls	Wingwalls			Wings have moved away from barrel to 40 mm.				
(Shape : )		1						
Cutoff Wall		X	N	Apron floor covered by dirt.				
Bevel End		X	X					
Heaving (mm)	0							
Invert Above/Below Stream Bed								
Above/Below (mm)	0							
Scour Protection		6	6					
(Type : <b>NATURAL</b> )								
(Avg. Rock Size(mm) : )								
Scour/Erosion		6	6					
Beavers (Y/N)	No							
Downstream End General Ratir	Downstream End General Rating		5					
		s	Structu	re Usage				
				Explanation of Condition				
Grade Separation								
Road Alignment			6	U/S apron cracked and heaved 50 mm. Up to 100mm mud at D/S 1/3.				
Roadway Surface			5	Up to 100mm mud at D/S 1/3.				
(Type:)								
Icing (Y/N)	No							
Traffic Safety Features	I	Х	X					
Туре	None							

Structure Usage								
Last Now Explanation of Condition								
Lighting		Х	X					
Barrel Leakage (Y/N)	Yes			None at this inspection.				
Drainage		6	6					
Structure In Use (Y/N) Yes				Still in use by farmer on W side.				
Grade Separation General Rating			6					

Maintenance Recommendations												
Inspector Recommendations	Year	Inspector Comments	Departme	ent Commen		Target Year	Est. Cost	Cat #				
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
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) 66.7/6	/66.7 Sufficiency Rating (Last/No (%)	ow) 68.8/69.5	68.8/69.5 Est. Repl. Yr 2030		2030	Maint. Reqd. (Y/N)		No			
Special Comments for Next Inspection	vingwall move ome drainage	ement. e.	Departme Commen	ent ts								
Maintenance Reviewed By			Date			E	Estimated Total	0				
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)	N											
Proposed Action	2006.10.24 F	Revisit site in two years to check for contin	ued usage.									
Previous Inspector's Name	Dave Lam	F	Previous Assistant's									
Next Inspection Date	18-Jun-2014	4 F	Previous Inspection Date 10-Nov-2010									
Inspection Cycle (Default) (months)	21											
Comment												