				R	rida	e Culve	ert Inspe	ction				
Bridge File Nur	nber	76424 -1 Bridge Culvert				o ourve	Form Type		CULM			
	Year Built 1966						Lot No.		4			
Bridge or Town	Name	BREMN	JFR				Inspector Name		Eric Carcoux			
Located Over	rtaino		TARY TO OLDI	AN CREEK	<. 6. ¹	74.1.	Inspector Class		BR CLS A			
			CRS-ST		., 0.	,	Assistant Name		B.K 6267.			
Located On		16:20 L	1 2.455;16:20 F	R1 2.456			Assistant Class					
Water Body Cl.	/Year						Inspection Date		09-Aug-2012			
Navigabil. Cl./Y	'ear						Data Er			Theresa Lacusta		
Legal Land Loc	ation	NE SEC	C 8 TWP 53 RG			ntry Date		09-Sep-2012				
			33 53-34-13					er Name		Stew Hagan		
Road Authority Alberta Tra			Transportation (AIT)				Review Date		05-Sep-2012			
Contract Main.	Area	CMA09		-				Dept. Reviewer Name		·		
Clear Roadway	/Skew	24 /						Dept. Review Date		18-Sep-2012		
AADT/Year		18,360	/ 2011 (A)				Follow-					
Road Classifica	ation	RAD-41	12.4-120					-1 ,				
Detour Length		1										
Bridge Culvert		ation										
Number of Culv	/erts		2			I				I		
Pipe #	Barrel		Span Rise (or D		a.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape
1	MAIN		-	1500		MP		61		68X13	3.5	ROUND
2	MAIN		-	1500		MP		61		68X13	3.5	ROUND
Special Feature	es											
Special Feature	es Comr	ment										
Licition Annual	,				Uti	lities (L	_ocated	at)				
Utility Attachme		,										
Telephone	South	r/w. s North r/w, 2 wires to East.					Gas	-1				
Power	3 wire	s North	r/w, 2 wires to E	ast.			Municip		NI.			
Others	File to	~ 11/0					Problen	n (Y/N)	No			
Remarks	File ta	g U/S.		App	rood	sh Book	d / Emba	nkmont				
					ast	Now	/ Embankment Explanation of Condition					
Horizontal Aligr	nment				7	7	Access road to SW.					
Vertical Alignm					9	9	1.00000					
Roadway Width			24.000				4 lane o	divided hi	ahwav			
	. (,			24.000								
Embankment					8	7						
Sideslope (·		6.0				_					
(Height of Co		1.3)										
Guardrail (Y/N)			No									
Approach Roa	d / Emb	oankme	nt General Rat	ing	7	7						
						Upstre	am End					
Culvert Compo	onent			La			1	ation of	Condi	tion		
(Pipe # : 1, Sp	an Type	e: Prima	ry Span)									
Direction				S			West pi	<u></u> ре.				
End Treatment Others, None)	(Concre	ete, Stee	el, STEEL									
Headwall					Х	Х						
Collar					X	Х						
Wingwalls					Χ	Х						
(Shape:)							II.					

			Unetro	am End		
Culvert Component				Explanation of Condition		
(Pipe # : 1, Span Type: Primary	/ Span)		1.1011			
Cutoff Wall	, ,	Х	Х			
Bevel End	I	5	5	Corrosion scaling and pitting on floor.		
Heaving (mm)	100					
Invert Above/Below Stream Bed						
Above/Below (mm)	0		1			
Scour Protection		7	7			
(Type : RIP RAP)						
(Avg. Rock Size(mm) : 200)						
Scour/Erosion		7	7			
Beavers (Y/N)	No					
Upstream End General Rating		5	5			
-						
Culvert Component			Now	Ivert Barrel		
Culvert Component (Pipe # : 1, Primary Span, Location	tion Code: MAIN Sna			Explanation of Condition , Rise (mm): 1500, Type: MP)		
Barrel Last Accessible Date	09-Aug-2012	(11111)	1).	West barrel.		
Barrer Last Accessible Date	09-Aug-2012			west pariel.		
Special Features						
Special Feature						
(Type:)						
Special Feature						
(Type:)						
Roof		6	6			
Measured Rise (mm)	1425			Under E.B.L.		
Measured At Ring No.						
Sag (mm)	75					
Percent Sag 5						
Sidewall	I	6	6	Under E.B.L.		
Measured Span (mm)	1574			Officer E.B.L.		
Measured At Ring No.						
Deflection (mm)	74					
Percent Deflection	5					
Floor		5	5			
Bulge (mm)	0					
Measured At Ring No.						
Abrasion (Y/N)	No					
Circumferential Seams	I	6	6	Separation under WBL. At coupler.		
Separation (mm)	80					
Longitudinal Seams	I	6	6	Riveted.		
Total No. of Cracked Rings	0					
Total No. of Rings with Two Cracked Seams						
Min. Remaining Steel Between Cracks (mm)						
Proper Lap (Y/N)	Yes					
Longitudinal Stagger (Y/N)	Yes					
Coating		4	4	Severe corrosion scaling & pitting on bottom 1/3 of culvert. Superficial corrosion on sidewall.		
Corrosion By Soil (Y/N)	Yes			Superiidal corrosion on sidewall.		
Corrosion By Water (Y/N)	Yes					

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	ı):	, Rise (mm): 1500, Type: MP)
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			
Fish Passage Adequacy		6	6	
Baffle		Х	X	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		6	6	
				ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)	1		
Direction		N		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		X	X	
Wingwalls		X	X	
(Shape:)		1	1	
Cutoff Wall		Х	X	
Bevel End	1	6	6	Corrosion scaling and pitting on floor.
Heaving (mm)	100			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)		1 _	T _	
Scour/Erosion	I	7	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	6	6	
		1		am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Direction		S		East pipe.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		X	X	
Wingwalls		X	X	
(Shape:)				
Cutoff Wall		X	X	

			Unetro	eam End
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Snan)	Last	ITOW	Explanation of Condition
Bevel End	ary opan,	6	6	
Heaving (mm)	100			
Invert Above/Below Stream Bed				
				-
Above/Below (mm) 0 Scour Protection		7	7	
(Type : RIP RAP)		'		-
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		7	7	
		·	•	
Beavers (Y/N)	No			
Unstraam End Conoral Pating		6	6	
Upstream End General Rating		0	0	
		Bri	dge Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN,	Span (mm):	, Rise (mm): 1500, Type: MP)
Barrel Last Accessible Date	09-Aug-2012			East barrel.
Special Features				
Special Feature				"6" Storm Water Drain.
(Type:)				
Special Feature				
(Type:)				
Roof		6	6	
Measured Rise (mm)	1424			Under E.B.L.
Measured At Ring No.				
Sag (mm)	76			
Percent Sag	5			
Sidewall		6	6	
Measured Span (mm)	1563			- I Index E. D. I
Measured At Ring No.				Under E.B.L.
Deflection (mm)	63			
Percent Deflection	4			
Floor		5	5	
Bulge (mm)	0			
Measured At Ring No.	-			
Abrasion (Y/N)	No			
Circumferential Seams		4	6	Separation under WBL.
Separation (mm)	50			,
Longitudinal Seams		6	6	Riveted.
Total No. of Cracked Rings	0		J	
Total No. of Rings with Two Cracked Seams	-			
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		4	4	Corrosion scaling & pitting floor. Superficial corrosion on sidewall.
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			

		Brid	dae Cu	Ivert Barrel
Culvert Component		1	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 1500, Type: MP)
Ponding (Y/N)	No			
Fish Passage Adequacy		6	6	
Baffle		Х	X	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		6	6	
		D	ownstr	ream End
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)	Last	11011	Explanation of condition
Direction	ary opan)	N		East culvert
End Treatment (Concrete, Steel, Others, None)	STEEL	IN		Last curvert
Headwall		Х	X	
Collar		Х	X	
Wingwalls		X	X	
(Shape:)		1		
Cutoff Wall		X	X	
Bevel End		6	6	
Heaving (mm)	100			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		7	7	Grassed over.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	6	6	
			tructu	re Usage
			Now	Explanation of Condition
Channel (U/S and D/S)		Luot	11011	Explanation of condition
Alignment		7	7	Stream makes bend D/S from pipes to east.
Bank Stability		8	8	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading				
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		7	7	

76424 -1 Bridge Culvert

		Maintenan	ice Recommendations						
Inspector Recommendations	Year	Inspector Comments	Department Cor	Department Comments					
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	3								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION							\perp		
OTHER ACTION									
Structural Condition Rating (Last/N (%)	low) 66.7/60	Sufficiency Rating ((%)	(Last/Now) 67.1/67.0	Est. Repl. Yr 20	Maint. Re	qd. (Y/N)	No		
Special Comments for Next Inspection			Department Comments						
Maintenance Reviewed By			Date		Estimated Tota	0			
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Shane Hall		Previous Assistant's Name						
Next Inspection Date	09-May-2014		Previous Inspection Date	23-Sep-2010					
Inspection Cycle (Default) (months)	21								
Comment									