				В	rida	e Culve	ert Inspe	ection					
Bridge File Nur	nher	71417 -		Hug	e Guive	Form Type		CULM					
Year Built	ilboi	71417 -2 Bridge Culvert					Lot No.			4			
Bridge or Town	Nama	_					Inspector Name		Owen Salava				
Located Over	INAIIIC		ARY TO DRIE		PEEK	•	Inspector Class		BR CLS A				
Localed Over		5.40.3,	WATERCRS-S	T		ν,	Assistant Name		BR CLS A				
Located On		13:12 C	1 18.137				Assistant Class						
Water Body Cl./Year							Inspection Date		27-Jun-2012				
Navigabil. Cl./Y	I. CI./Year						Data Entry By		Marcia Chave	7			
Legal Land Loc	ation	NW SE	C 35 TWP 45 R	GE 18 W4	M		Data Entry Date		15-Jul-2012				
Longitude, Latit	tude	-112:31	:06, 52:55:49				Reviewer Name			John O'Brien			
Road Authority	Authority Alberta Transportation (AIT)						Review Date			05-Jul-2012			
Contract Main.	Area	CMA16							me	Andrew Smikle			
Clear Roadway	/Skew	/ 30 de	g. (RHF)				Dept. Review Date		19-Jul-2012				
AADT/Year		3,150 / 2	2011 (A)				Follow-			10 001 2012			
Road Classifica	ation	RAU-21	1.8-110				l ollow	OP Dy					
Detour Length	(km)	5											
Bridge Culvert	Inform												
Number of Culv	/erts		2										
Pipe #	Barrel		Span	Rise (or Di	ia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		-	2740		SP		45.72		152X51	3.0	ROUND	
2	MAIN		-	2740		SP		45.72		152X51	3.0	ROUND	
Special Feature	es												
Special Feature	es Comi	ment	BF tag installed	on N side.									
					Uti	lities (L	ocated	at)					
Utility Attachme							-						
Telephone	N RO						Gas						
Power	1 wire	40m N.					Municip						
Others							Probler	n (Y/N) N	0				
Remarks				Α		ılı Dan	1 / E.u.b.						
					ast	Now		inkment	ndit	tion			
Horizontal Aligr	nment				7	7	Approach 100m W.						
Vertical Alignm					7	7	Middle of shallow sag.						
Roadway Width			11.000			'							
			11.000										
Embankment					7	7							
Sideslope (_:1)		4.0										
(Height of Co		1)											
Guardrail (Y/N)			No										
Approach Roa	d / Emi	oankmer	nt General Rat	ing	7	7							
						Upstre	am End						
Culvert Compo	onent			L				ation of Co	ndit	tion			
(Pipe # : 1 , Sp		e:)											
Direction		,		N	1								
End Treatment Others, None)	(Concre	ete, Stee	I, STEEL										
Headwall					Х	Х							
Collar	Collar				X	Х							
					X	X							
Wingwalls (Shape:)					^		-						

			Upstre	am End
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Span Type:)				
Cutoff Wall			Х	
Bevel End		9	9	
Heaving (mm) 0				
Invert Above/Below Stream Bed				
Above/Below (mm)	500			
Scour Protection		7	7	Not keyed in.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	1):	, Rise (mm): 2740, Type: SP)
Barrel Last Accessible Date	27-Jun-2012			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		9	9	
Measured Rise (mm)	2735			
Measured At Ring No.	7			
Sag (mm)	5			
Percent Sag	0			
Sidewall		9	9	
Measured Span (mm)	2770			
Measured At Ring No.	7			
Deflection (mm)	30			
Percent Deflection	1			
Floor		9	9	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		9	9	
Separation (mm)	0			
Longitudinal Seams		9	9	
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			1
Longitudinal Stagger (Y/N)	Yes	_		2N
Coating		9	9	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			

Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2740, Type: SP)					
Camber POS/ZERO/NEG POS									
Ponding (Y/N)	Yes			0.6m deep.					
Fish Passage Adequacy			8						
Baffle			X						
(Type:)									
Waterway Adequacy		8	8						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No	9							
Barrel General Rating			9						
				lvert Barrel					
Culvert Component			Now	Explanation of Condition					
(Pipe # : 2, Secondary Span, Lo		Span (r	nm):	, Rise (mm): 2740, Type: SP)					
Barrel Last Accessible Date	27-Jun-2012								
Special Features									
Special Feature									
(Type:)									
Special Feature									
(Type:)									
Roof	I	9	9						
Measured Rise (mm)	2750								
Measured At Ring No.	8								
Sag (mm)	0								
Percent Sag	0								
Sidewall		9	9						
Measured Span (mm)	2760								
Measured At Ring No.	8								
Deflection (mm)	20								
Percent Deflection	1								
Floor	I	9	9						
Bulge (mm)	0								
Measured At Ring No.									
Abrasion (Y/N)	No			<u> </u>					
Circumferential Seams	I -	9	9						
Separation (mm) 0									
Longitudinal Seams	I	9	9						
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			2N					
Coating		9	9						
Corrosion By Soil (Y/N)	No								
Correcion By Water (V/NI)	No			A. C.					

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 2740, Type: SP)
Camber POS/ZERO/NEG	POS			
Ponding (Y/N)	Yes			0.6m
Fish Passage Adequacy		8	8	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		9	9	
			ownstr	ream End
Culvert Component				Explanation of Condition
(Pipe # : 2, Span Type:		Last	11011	Explanation of condition
Direction		s		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	X	
Bevel End		9	9	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	600			
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)		I	1	
Scour/Erosion		7	7	
Beavers (Y/N)	No		T	
Downstream End General Ratio	ng	7	7	
		S	tructu	re Usage
			Now	Explanation of Condition
Channel (U/S and D/S)			1	
Alignment		8	8	Rail bridge 30m u/s.
Bank Stability		8	8	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	NONE			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	· · · · · · · · · · · · · · · · · · ·			
(Fish Compensation Measure 2 :	NONE)			

Structure Usage									
Last Now Explanation of Condition									
Channel General Rating		8	8						

			Maintenar	ce Recommen	dations					
Inspector Recommendations	Yea	ar Inspecto	or Comments		Department Com		Target Year	Est. Cost	Cat #	
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										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	low) 100	0.0/100.0	Sufficiency Rating (Last/Now) (%)		91.0/91.0	Est. Repl. Yr	2060	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	stimated Tota	I 0	-
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Wade Nani	ninga		Previous	Assistant's Name					
Next Inspection Date	27-Mar-201	14		Previous	s Inspection Date 16-Mar-2012					
Inspection Cycle (Default) (months)	21			,						
Comment										