			Br	ridq	e Culve	ert Inspe	ection						
Bridge File Number 80927 -1 Bridge Culvert									CUL1				
Year Built	1988							2					
Bridge or Town Nam	e JEAN D	PRAIR				Inspector Name		Brian Pientsch					
Located Over 2ND ORDER TRIBUTARY TO L					INCE	· ·			BR CLS A				
RIVER, 8.10.12.1.2, WATERCR						· ·		Clem Guenette	e				
	ocated On 58:12 C1 7.452					Assistant Class							
Water Body CI./Year	•					Inspection Date			13-Jun-2012				
Navigabil. Cl./Year						Data Entry By			Theresa Lacusta				
Legal Land Location SW SEC 36 TWP 110 RGE 7 WS						Data Entry Date			06-Nov-2012				
Longitude, Latitude -115:01:46, 58:35:32						Reviewer Name			Eric Carcoux				
Road Authority Alberta Transportation (AIT)						Review Date			04-Nov-2012				
Contract Main. Area CMA01						Dept. Reviewer Name			David Morrison				
Clear Roadway/Ske									15-Jan-2013				
AADT/Year	230 / 201					Follow-Up By							
Road Classification	RAU-210)-110				-							
Detour Length (km)	999												
Bridge Culvert Info Number of Culverts	rmation 1												
Pipe # Barre							Length		Corr. Profile	PI./Slab	Shape		
Fipe # Dalle		Span	Rise (or Dia	a.)	Туре		Length		Con. Fione	Thickness	Shape		
1 MAI	- ۱		2200		MP		29		125X26	2.8	ROUND		
Special Features													
Special Features Co	mment												
				Uti	lities (L	ocated	at)						
Utility Attachments													
Telephone						Gas							
	ire o/h along	g South ditch.			Municipal								
Others						Problem (Y/N) No							
Remarks			A 10 10 1		h Door								
					Now		ankment ation of	Condi	tion				
Horizontal Alignment					9	Explain		oonan					
Vertical Alignment				9 8	8	-							
Roadway Width (m)		11.000											
Embankment	7												
Sideslope (:1)		4.0				-							
(Height of Cover(m) : 1.5)													
Guardrail (Y/N)		No											
Approach Road / E	mhankmon	t General Pat	ing	8	8								
				0									
						am End							
Culvert Component				ast	Now	Explan	ation of	Condi	tion				
Direction			N			-							
End Treatment (Con Others, None)	crete, Steel,	STEEL			_								
Headwall				Х	X								
Collar				Х	Х								
Wingwalls				Х	Х								
(Shape :)					Λ								
	Cutoff Wall				X								
				Х									

Alberta Transportation

			Upstre	ream End								
Culvert Component		Last	Now	Explanation of Condition								
Bevel End		6	5									
Heaving (mm)	450											
Invert Above/Below Stream Bed BELOW												
Above/Below (mm) 200												
Scour Protection		5	5									
(Type : NATURAL)												
(Avg. Rock Size(mm) :)		,										
Scour/Erosion		5	5									
Beavers (Y/N)	No											
Upstream End General Rating		5	5									
		Bric	lge Cu	lvert Barrel								
Culvert Component			Now	Explanation of Condition								
(Pipe # : 1, Primary Span, Locat	ion Code: MAIN, Spa	n (mm)):	, Rise (mm): 2200, Type: MP)								
Barrel Last Accessible Date	13-Jun-2012											
Special Features	l											
Special Feature												
(Type :)			_									
Special Feature												
(Туре :)												
Roof		6	5									
Measured Rise (mm)	2073			cl								
Measured At Ring No.												
Sag (mm)	127											
Percent Sag	6											
Sidewall		6	6									
Measured Span (mm)	2316											
Measured At Ring No.				@ c/l								
Deflection (mm)	116											
Percent Deflection	5											
Floor		N	N	Covered withwater.								
Bulge (mm)	0											
Measured At Ring No.												
Abrasion (Y/N)	No											
Circumferential Seams		6	6									
Separation (mm)	70											
Longitudinal Seams		Х	Х									
Total No. of Cracked Rings												
Total No. of Rings with Two Cracked Seams												
Min. Remaining Steel Between Cracks (mm)												
Proper Lap (Y/N)				1								
Longitudinal Stagger (Y/N)				1								
Coating		4	4	Pitting & scaling lower 1/4.								
Corrosion By Soil (Y/N)	No			Perforations in d/s bevel.								
Corrosion By Water (Y/N)	Yes			1								
Camber POS/ZERO/NEG	ZERO											
Ponding (Y/N)	No											

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

80927 -1 Bridge Culvert

		Brid	dqe Cu	Ivert Barrel					
Culvert Component				Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 2200, Type: MP)					
Fish Passage Adequacy		3	3	DROP OFF @ OUTLET 300mm.					
Baffle		Х	X						
(Type:)									
Waterway Adequacy			4	(Barrel completely iced up -1996/04/25)					
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating			5						
		D	ownsti	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		S							
End Treatment (Concrete, Steel, Others, None)	nd Treatment (Concrete, Steel, STEEL thers, None)								
Headwall		Х	Х						
Collar			Х						
Wingwalls		Х	Х						
(Shape :)		1							
Cutoff Wall			X						
Bevel End			3	Perforation @ end on East side.					
Heaving (mm)	0								
Invert Above/Below Stream Bed	ABOVE								
Above/Below (mm) 500									
Scour Protection			4	DROP OFF AT OUTLET APPROX. 300mm, and is starting to					
(Type : RIP RAP)				undermine this bevel. photo					
(Avg. Rock Size(mm) : 400)									
Scour/Erosion			4	Undermining bevelphoto					
Beavers (Y/N)	No								
Downstream End General Ratio	ng	3	3						
		s	Structu	re Usage					
Channel (U/S and D/S)									
Alignment			7	Slumping banks (u/s & d/s).					
Bank Stability			5	Banks sloughing					
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N)	No								
Channel Bottom DEGRADING Degrading/Aggrading									
Beavers (Y/N) No									
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	· · · · · · · · · · · · · · · · · · ·			1					
Channel General Rating			7						

Maintenance Recommendations														
Inspector Recommendations			Year	Inspector Comments				Department Cor		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			2012	Backfill D	0/S bevel.									
OTHER ACTION														
OTHER ACTION														_
OTHER ACTION														
Structural Condition Rating (Last/Now) (%)			66.7/55.0		Sufficiency Rating (Last/Nov (%)		ow)	46.1/40.5	Es	t. Repl. Yr	2033	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection Monitor erosion.						Department Comments								
Maintenance Reviewed By								Date			E	Estimated Tota	0	
Proposed Long-Term Strategy														
On 3-Year Program (Y/N)														
Proposed Action														
Previous Inspector's Name Brian			Brian Pientsch Previou					Assistant's Name		Lisbeth Medina				
Next Inspection Date 13-M		13-Mar	13-Mar-2014 Previ				Previous	us Inspection Date 06-Aug-2010						
Inspection Cycle (Default) (months) 21		21												
Comment														