			B	rida	e Culve	ert Inspe	ection						
Bridge File Number	08847 -1 Bridge Culvert					Form Type			CUL1				
Year Built	1982					Lot No.			1				
Bridge or Town Name						Inspector Name			Brian Pientsch				
Located Over	TRIBUT	TRIBUTARY TO SENEX CREEK, 8.10.18.3.1, WATERCRS-ST				Inspector Class			BR CLS A				
Located On	8.10.18.3 88:14 C1		83-31			Assistant Name		Clem Guenette	9				
Water Body Cl./Year	00.14 CT 21.001					Assistant Class							
Navigabil. Cl./Year						· · ·	ion Date		12-Jun-2012				
Legal Land Location	SW SEC	25 TWP 99 R	GE 9 W5M				ta Entry By Theresa Lacusta						
Longitude, Latitude	-115:20:0	03, 57:37:02				Data Entry Date 05-Nov-2012							
Road Authority		ransportation	(AIT)			Reviewer Name			Eric Carcoux				
Contract Main. Area	CMA02		(/ /			Review Date			04-Nov-2012				
Clear Roadway/Skew		deg. (RHF)				· · · · · · · · · · · · · · · · · · ·			David Morrisor	ו			
AADT/Year	180 / 201					Dept. Review Date		14-Jan-2013					
Road Classification	RAU-210					Follow-	Follow-Up By						
Detour Length (km)	300	, , , , , , , , , , , , , , , , , , , ,				-							
Bridge Culvert Inform													
Number of Culverts													
Pipe # Barrel		Span	Rise (or Di	ia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1 MAIN	2	3495	3854		SPE		119		152X51	4.0	ELLIPSE		
Special Features		100	500-				113		102/01	1.0			
Special Features Com	nment			Uti	lities (L	ocated	at)						
Utility Attachments						1							
Telephone						Gas							
Power						Municip	bal						
Others						Problem (Y/N) No							
Remarks													
							ankment		-				
			L	.ast	Now	Explanation of Condition							
Horizontal Alignment			7	7	Long s	ag curve.							
Vertical Alignment Roadway Width (m) 12.800			7	7									
Embankment				7	7								
Sideslope (:1)		4.0		1	1								
(Height of Cover(m)	· 15)	ייב 🛛											
Guardrail (Y/N)	. 13)	No											
Approach Road / Em	bankmen	t General Rat	ing	7	7								
					linstro	am End							
Culvert Component			1	.ast	Now	1	ation of C	ondi	tion				
Direction			E		110 11	Tag on		onul					
End Treatment (Concr Others, None)	rete, Steel,			-		Tag on	Clowin						
Headwall				Х	X								
Collar				4	4	Large cracks on south side of collar seperated from culvert 50mm, concrete breaking apart.							
Wingwalls				Х	X								
(Shape :)				Λ	~								
Cutoff Wall				N	N								
					Page	1 of 4							

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			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		5	5	Only top 1/2 bevel visible, water approx. 1.9M deep.
Heaving (mm)	300			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	500			
Scour Protection		5	5	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		5	5	
Beavers (Y/N)	Yes			
Upstream End General Rating		4	4	
		Brid	dae Cu	lvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN. Spa			· •
Barrel Last Accessible Date	17-Jan-2007			Water to crown 1.9m.
				Viewed from ends, shape appears adequate.
Special Features			_	
Special Feature				
(Type:)				
Special Feature				
(Туре :)				
Roof		7	N	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	0			
Percent Sag				
Sidewall		7	N	Damage to wall at 9:00 1/2 ring.2007-01-17
Measured Span (mm)	3770			Between 8 & 9th ring from d/s end bulge in sidewall 9:00 position - welded.2007-01-17
Measured At Ring No.				
Deflection (mm)	100			
Percent Deflection	3			
Floor	-	N	N	Water covered
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		N	N	
Separation (mm)		14	14	
Longitudinal Seams		N	N	
Total No. of Cracked Rings	0	14	14	
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				1
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Coating		N	N	(Some rust on bottom plate -2000/01/12).
Corrosion By Soil (Y/N)	No			Numerous dents in plates from compaction equipment now rusting
Corrosion By Water (Y/N)	Yes			out)
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	Yes			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Brid	dge Cu	Ivert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm): 3495	i, Rise (mm): 3854, Type: SPE)					
Fish Passage Adequacy			7						
Baffle		X	X						
(Туре :)									
Waterway Adequacy		7	7						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		N	N	GR 7 - 17-Jan-2007					
		D	ownstr	ream End					
Culvert Component				Explanation of Condition					
Direction	1	W							
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall	1	Х	X						
Collar			Х						
Wingwalls			Х						
(Shape :)		X		1					
Cutoff Wall			X						
Bevel End		5	5	Protruding from fill 1.4m at the top of the bevels.					
Heaving (mm)	400								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm) 200									
Scour Protection	·	4	4	Bevel projecting 1.4m from fill.					
(Type : NONE)				Minor erosion along bevel edges.					
(Avg. Rock Size(mm) :)									
Scour/Erosion		4	4	Minor scour along bevel edge0.3m under 1.4m long x 0.5m deep.					
Beavers (Y/N)	No								
Downstream End General Ratin	ng	4	4						
		S	Structu	re Usage					
Channel (U/S and D/S)									
Alignment		7	7						
Bank Stability		7	7						
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N) No				1					
Channel Bottom NONE Degrading/Aggrading				Beaver house u/s 150m.					
Beavers (Y/N)	Yes			1					
(Fish Compensation Measure 1 :	1	1							
(Fish Compensation Measure 2 :				1					
Channel General Rating		7	7						
		_							

			Maintenance Recomm	endations						
Inspector Recommendations		Inspecto	or Comments	Department Comments				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		Unable cycles, i bim mar	to access barrel last 2 inspection recommend Level 2 inspection as proval.	er						
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/No (%)	ow) 55.6/5	5.6	Sufficiency Rating (Last/Now) (%)	58.3/58.4	Est. R	epl. Yr	2026	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection	d treatment a	nd d/s scou	r.	Department Comments						
Maintenance Reviewed By	Date			E	Estimated Total	0				
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Brian Pientso	rian Pientsch Previou			Assistant's Name Lisbeth Med					
Next Inspection Date 12-Mai										
Next Inspection Date	12-Mar-2014		Previ	ous Inspection Date	05	-Aug-2010				
			Previ	ous Inspection Date	05	-Aug-2010				