					Bridg	e Culve	ert Insp	ection							
Bridge File Number 77815 -1 Bridge Culvert						Form Type			CUL1						
Year Built Bridge or Town Name RED EARTH CR Located Over TRIBUTARY TO SENEX CREEK, 8.10.18.3.2, WATERCRS-ST Located On Water Body CI./Year Navigabil. CI./Year Legal Land Location NE SEC 36 TWP 98 RGE 9 W5M Longitude, Latitude -115:18:36, 57:33:06							Lot No			1					
Year Built Bridge or Town Name Located Over TRIBUTARY TO SENEX 8.10.18.3.2, WATERCRS Located On Water Body CI./Year Navigabil. CI./Year Legal Land Location NE SEC 36 TWP 98 RG							Inspec	tor Name		Brian Pientsch					
Located Over		TRIBU	TARY TO SENE	EX CREE	K,		Inspector Class		BR CLS A						
Located On								ant Name		Clem Guenett	<u>e</u>				
	Year						Assistant Class								
								tion Date		12-Jun-2012	-4-				
Navigabil. Cl./Year Legal Land Location NE SEC 36 Longitude, Latitude -115:18:36 Road Authority Alberta Tra Contract Main. Area CMA02 Clear Roadway/Skew 12.5 / 30 de AADT/Year 180 / 2011 Road Classification RAU-210-1 Detour Length (km) 300 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Spa		C 36 TWP 98 R	GE 9 W5	M			intry By			Theresa Lacusta					
		-115:18	3:36, 57:33:06					intry Date			5-Nov-2012				
				(AIT)				ver Name		Eric Carcoux 04-Nov-2012					
	Area		·	,			Reviev		Nama		.				
Clear Roadway/	/Skew	12.5 / 3	0 deg. (RHF)					Reviewei Review Da		David Morriso 14-Jan-2013	11				
AADT/Year		180 / 20	011 (A)					-Up By	ale	14-Jan-2013					
Road Classificat	tion	RAU-2	10-110				FOIIOW	-ор Бу							
Detour Length (I	km)	300													
Bridge Culvert	Inform	ation													
Number of Culve	erts		1												
Pipe #	Barrel		Span	Rise (or	Dia.) Type		Length		Corr. Profile	Pl./Slab Thickness	Shape				
1	MAIN		2314	2552		SPE		42		152X51	3.0	ELLIPSE			
Special Feature															
Special Feature															
	Utilities (Located at)														
Utility Attachme	nts					·		,							
							Gas								
							Munici	pal							
Others							Proble	m (Y/N)	No						
Remarks															
Approach Road / Embankment Last Now Explanation of Condition															
			Last	Now	Explar	nation of	Condi	tion							
Horizontal Alignment					8	8									
Vertical Alignme			44.000		8	8									
Roadway Width	(m)		11.800												
Embankment					7	7									
Sideslope (3.0												
(Height of Cover(m) : 2)															
Guardrail (Y/N)		No													
Approach Road / Embankment General Rating			8	8											
						Upstre	am End								
Culvert Compo	nent				Last	Now	Explar	nation of	Condi	tion					
Direction			W												
End Treatment (Concrete, Steel, Others, None)				_											
Headwall			Х	X											
Collar					Х	Х									
Wingwalls					Х	Х									
(Shape:)															
Cutoff Wall			X	X											

			Unstre	eam End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		5	5	
Heaving (mm)	400			
Invert Above/Below Stream Bed				
Above/Below (mm)	100			
Scour Protection			5	
(Type: NATURAL)		5		
(Avg. Rock Size(mm):)				
Scour/Erosion		5	5	
Coddi/Liodicii				
Beavers (Y/N)	No			
Unation of Food Consent Batings		-		
Upstream End General Rating		5	5	
		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp	an (mm): 2314	I, Rise (mm): 2552, Type: SPE)
Barrel Last Accessible Date	16-Jan-2007			WATER 1.0 M.
				Shape looks adequate. VIEWED FROM ENDS, ABLE TO ENTER 3 RINGS U/S.
Special Features				VIEWED I ROW ENDS, ADEL TO ENTER STRINGS 0/3.
Special Feature				
(Type:)				
Special Feature			_	
(Type:)			N.	Floor covered with all throughly to recover vice
Roof		6	N	Floor covered with silt, unable to measure rise. (00/01/12)
Measured Rise (mm)				
Measured At Ring No.	25			
Sag (mm)	35			
Percent Sag				
Sidewall	20.44	6	N	(Wall appears to be deflecting in at the 5:00 position - ring 5 to 8)
Measured Span (mm)	2341			
Measured At Ring No.	5			
Deflection (mm)	27			
Percent Deflection	1			
Floor		N	N	Water/silt cover
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		N	N	Has a 25 mm hole in barrel 950 cm from u/s end of barrel.
Separation (mm)	0			
Longitudinal Seams		N	N	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Coating		4	4	Pitting rust lower 1/2-evident above water level.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			200 MM NEG. CAMBER IN PIPE

Bridge Culvert Barrel										
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm): 2314	, Rise (mm): 2552, Type: SPE)						
Ponding (Y/N)	No									
Fish Passage Adequacy		6	6							
Baffle		Х	Х							
(Type:)										
Waterway Adequacy			5	(Iced to within 150mm of roof96/04/23)						
Icing (Y/N)	No									
Silting (Y/N)	Yes									
Drift (Y/N)	No									
Barrel General Rating			N	GR 6 - 16-Jun-2007						
		D	ownstr	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		Е								
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		Х	Х							
Collar			Х							
Wingwalls		Х	Х							
(Shape:)										
Cutoff Wall			X							
Bevel End		5	3	Multiple perforations both sides of bevel.						
Heaving (mm)	100									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	200									
Scour Protection		4	4	Lace of fill on boyal sides 2m lang						
(Type : NONE)				Loss of fill on bevel sides 3m long, 0.8m deep, 1.0m wide.						
(Avg. Rock Size(mm) :)										
Scour/Erosion		4	4	Loss of fill on bevel sides 3m long x 1m wide x 0.8m deep						
Beavers (Y/N)	No									
Downstream End General Rating			3							
				re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S) Alignment			6							
Bank Stability			7							
Jan Clabinty			<u> </u>							
HWM (m below Top of Culvert)				NO HWM VISIBLE						
Drift (Y/N) No										
Channel Bottom Degrading/Aggrading DEGRADING										
Beavers (Y/N) No										
(Fish Compensation Measure 1 :										
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		6	6							

			Maintenance Rec	ommend	ations						
Inspector Recommendations	Yea	ar Inspect	or Comments		Department Com	nments			Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING	3										
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTOFF											
REPAIR SEAMS											
OTHER ACTION		2 Unable cycles, bim ma	to access barrel last 2 inspecti recommend Level 2 inspection nual.	ion n as per							
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/N (%)	low) 55.6	6/55.6	Sufficiency Rating (Last/No	ow) 5	1.8/50.9	Est. F	Repl. Yr	2021	Maint. Re	eqd. (Y/N)	Yes
Special Comments for Next Inspection Monitor scour and Observe u/s bevel Monitor perforation (Consider delaying	heaving. s in barrel-EI	DC04-Nov-20 n-EDC-04-No)12 ov-2012)		Department Comments						
Maintenance Reviewed By					Date			E	Estimated Tota	ıl O	
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Brian		Brian Pientsch Previous A				Assistant's Name Lisbeth Medina					
		12-Mar-2014 Previous				Inspection Date 05-Aug-2010					
Inspection Cycle (Default) (months)	21						Ĭ				
Comment											