					Brida	e Culve	ert Inspe	ection						
Bridge File Nun	nber	08814 -2 Bridge Culvert					·		CUL1					
Year Built 2011							Lot No.			4				
Bridge or Town	Name	EDSON					Inspector Nam			Shane Hall				
Located Over		SUNDAN	NCE CREEK,	8.11.107.	30,		Inspector Class			BR CLS A				
		WATER	CRS-ST				Assistant Name							
Located On		47:06 C1	C1 56.719				Assistant Class							
Water Body Cl.						Inspection Date				15-Oct-2012				
Navigabil. Cl./Year						Data Entry By Theresa Lacusta								
			C 4 TWP 53 RGE 18 W5M				Data Entry Date		14-Nov-2012					
Road Authority Alberta 1		5:21, 53:33:17				Reviewer Name		Eric Carcoux						
Road Authority Alberta T Contract Main. Area CMA13		Transportation (AIT)				Review Date		12-Nov-2012						
							Dept. Reviewer Name		Brent Herrick					
Clear Roadway	/Skew		deg. (LHF)				Dept. Review Date		20-Nov-2012					
AADT/Year		1,020 / 2	` ,				Follow-Up By							
Road Classifica		RAU-209	09-110											
Detour Length (	` '	6												
Bridge Culvert														
Number of Culv		1								I				
Pipe #	Barrel	5	Span	Rise (or	Dia.)	Туре	Length			Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN	_		7425		SP		93.6		400X150	6.0	ROUND		
Special Feature				1 420		Oi	93.6			400/(100	0.0	ROOND		
Special Feature		ment												
Special Feature	55 COIIII	Hent												
					Uti	lities (L	ocated	at)						
Utility Attachme	ents													
Telephone 4 lines buried in West ditch					Gas	Gas 60m North, 100m East								
Power	100m	West, 60	60m North					al						
Others						Problem (Y/N) No								
Remarks														
				Α			ad / Embankment							
							Explanation of Condition							
Horizontal Align					7	7	Culvert located at bottom of sag curve, good sight distances. No passing NB.							
Vertical Alignme					7	7	pacong No.							
Roadway Width	n (m)		9.100											
Embankment					9	9	Measur	ed on W	act cid					
Sideslope (	·1)		4.0			J J	Measured on West side 7.2m							
(Height of Co		7 2)	4.0											
Guardrail (Y/N)		· • • • · • · · · · · · · · · · · · · ·	Yes											
Guararan (1714)			103											
Approach Roa	d / Eml	bankmen	t General Rat	ing	7	7								
						M								
Culvert Com	nont				Last	Now	am End	ation of	Condi	tion				
Culvert Component		W	INOM	Exhiau	audii Of	Condi	uon							
Direction End Treatment (Concrete, Steel, CONCRETE		VV		-										
Others, None)	(Concr	-te, Steel	, CONCRETE											
Headwall					Х	9								
Collar					9	9								
Wingwalls					X	X								
(Shape : ) Cutoff Wall			Х	N										
Cuton Wall						14								

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End	I	9	9	Explanation of Condition
Heaving (mm)	0	J		
Invert Above/Below Stream Bed				
Above/Below (mm)	2150			
Scour Protection	2130	9	9	
(Type : RIP RAP)		9	] 3	
(Avg. Rock Size(mm) : <b>800</b> ) Scour/Erosion		9	9	
Scour/Erosion		9	9	
Beavers (Y/N)	No			
Upstream End General Rating		9	9	
		Brid	dae Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN. S			, Rise (mm): 7425, Type: SP)
Barrel Last Accessible Date	15-Oct-2012		<u>,                                     </u>	
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		8	8	Downward distortion.
Measured Rise (mm)	7244			12m from u/s end.
Measured At Ring No.	4			Surveyed on Oct-01-2011
Sag (mm)	181			Rise measurement not possible due to silt/gravel on floor.
Percent Sag	2			
Sidewall		8	8	Inward deflection
Measured Span (mm)	7356			9m from d/s
Measured At Ring No.	64			Surveyed on Oct-01-2011
Deflection (mm)	69			
Percent Deflection	1			
Floor	'	9	N	Floor not visible - Covered by silt/cobble.
Bulge (mm)		9	1 1 1	Those hot visible - Govered by sillycobble.
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams	140	9	9	
		9	9	
Separation (mm)				
Longitudinal Seams		9	9	
Total No. of Cracked Rings				
Total No. of Rings with Two Cracked Seams				1N
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		9	9	
Corrosion By Soil (Y/N)	No			
, , ,	Yes			
Corrosion By Water (Y/N)	165			
Corrosion By Water (Y/N) Camber POS/ZERO/NEG	ZERO			

		Brid	lge Cu	Ivert Barrel				
Culvert Component L (Pipe # : 1, Primary Span, Location Code: MAIN, Span		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	, Rise (mm): 7425, Type: SP)						
Fish Passage Adequacy		9	9					
Baffle		Х	X					
(Type:)								
Waterway Adequacy		9	9					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		8	8					
		D	ownstr	ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		E						
End Treatment (Concrete, Steel, Others, None)	CONCRETE							
Headwall		X	9					
Collar		9	9					
Wingwalls		Х	Х					
(Shape : )								
Cutoff Wall		9	N					
Bevel End		9	9					
Heaving (mm)								
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	1650							
Scour Protection		9	9					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 800)								
Scour/Erosion		9	9					
Beavers (Y/N)	No							
Downstream End General Ratin	ng	9	9					
		S	tructu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment		7	7	Smooth 90 deg transition from channel to culvert.				
Bank Stability		9 9						
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)			Willow planting d/s only.				
(Fish Compensation Measure 2 :	NONE)			Rock filled culvert (Class 1m, clean 6-80 & few Class 1)				
Channel General Rating		7	7					

		Maintenance R	ecommend	lations					
Inspector Recommendations	Year	Inspector Comments		Department Comm	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 (%)	ow) 88.9/88	Sufficiency Rating (Last (%)	/Now)	92.5/92.5	Est. Repl. Yr	2061	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	Estimated Tota	I 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Anne-Frederiq	ue Lavallee	Assistant's Name						
Next Inspection Date	15-Jul-2014		Inspection Date 17-Oct-2011						
Inspection Cycle (Default) (months)	21								
Comment									