		1989												
Bridge File Nun	nber	09641 -	-1 Bridge Culve	rt			Form T	уре		CUL1				
Priorition Name SANDY Located Over WABASC Located On 813:08 C Water Body Cl./Year Navigabil. Cl./Year Legal Land Location SE SEC Cl. Longitude, Latitude -113:22:3 Road Authority Alberta T Contract Main. Area CMA06 Clear Roadway/Skew 11 / AADT/Year 520 / 200 Road Classification RCU-210 Detour Length (km) 300 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel S 1 MAIN - Special Features Comment Utility Attachments Telephone Power Others							Lot No.		4					
Bridge or Town	dge or Town Name SANDY LAKE				Inspector			Wade Nanninga						
Located Over Located On 813:08 C1 Water Body Cl./Year Navigabil. Cl./Year Legal Land Location SE SEC 8 Longitude, Latitude -113:22:39 Road Authority Alberta Tra Contract Main. Area CMA06 Clear Roadway/Skew 11 / AADT/Year S20 / 2009 Road Classification RCU-210- Detour Length (km) 300 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Sp 1 MAIN Special Features Special Features Comment		SCA RIVER, 8.1	0.18, WA	TERC	RS-ST	Inspector Class			BR CLS B					
Located On		813:08	C1 13.493											
Water Body Cl.	/Year						Assistant Class							
Navigabil. Cl./Y	ear						Inspection Date			07-Jan-2011				
Legal Land Loc	ation	SE SE	C 8 TWP 77 RG	E 22 W4	М		Data Entry By		Theresa Lacus	sta				
Longitude, Latit	ude	-113:22	2:39, 55:39:18				Data Entry Date			02-Feb-2011				
Road Authority		Alberta	Transportation	(AIT)			Reviewer Name			Arnold Assenheimer				
Contract Main.	Area	CMA06	3				Review	/ Date		12-Jan-2011				
Clear Roadway	/Skew	11 /					Dept. Reviewer Name		Brent Herrick					
AADT/Year		520 / 20	009 (A)				Dept. F	Dept. Review Date		08-Feb-2011				
Road Classifica	ation	RCU-2	10-110											
Detour Length ((km)	300												
Bridge Culvert	Inform	ation												
Number of Culv	erts		1							I	I			
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile		Shape		
1	MAIN		-	2740		SP		75		152X51	3.0	ROUND		
Special Feature	es													
Special Feature	es Comn	nent												
					114	:::::: /!		~4 \						
Utility Attachme	ents				Οti	lities (L	ocated	at)						
Telephone							Gas							
Power							Munici	pal						
Others							Proble	m (Y/N)	No					
Remarks	Outlet	tagged												
				A										
Havimantal Align							_							
						in botto	iii bolloiii oi loily graddal Sag.							
			11 000		8	/								
Roadway Widtr	1 (m) 		11.000											
Embankment					7	7								
Sideslope (_:1)		3.0											
(Height of Co	ver(m):	7.2)												
Guardrail (Y/N)			Yes											
Approach Roa	d / Emb	ankme	nt General Rat	ing	8	7								
						Unetro	om End							
Culvert Compo	nent								Condi	tion				
Direction	Jiiciit					11011	LAPIGI		Conai					
	(Concre	ete, Stee	el, STEEL		_		-							
Headwall					Х	Х								
Collar					Х	Х								
Collar Wingwalls				X	X									
(Shape:)														
Cutoff Wall					Х	X								

Culvert Common on t				am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End	000	7	7	
Heaving (mm)	260			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	400			
Scour Protection		7	6	
(Type:)				
(Avg. Rock Size(mm):)		1		
Scour/Erosion		7	6	
Beavers (Y/N)	No			
Upstream End General Rating		7	6	
		Brio	dae Cu	lvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa			, Rise (mm): 2740, Type: SP)
Barrel Last Accessible Date	09-Jan-2011		<u>, </u>	1m of ice in barrel
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		N.		
		N	5	est
Measured Rise (mm)				
Measured At Ring No.	174			
Sag (mm)	174			
Percent Sag	6			
Sidewall	I	N	5	
Measured Span (mm)	2900			
Measured At Ring No.	8			
Deflection (mm)	160			
Percent Deflection	6		_	
Floor		N	N	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		N	7	
Separation (mm)	0			
Longitudinal Seams		N	7	
Total No. of Cracked Rings	0			only 2/3 visible
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		6	6	Minor superficial rust on lower.
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			

Bridge Culvert Barrel									
Culvert Component		Last Now		Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 2740, Type: SP)					
Fish Passage Adequacy		7	7						
Baffle			N	(Weirs are all in place. 14/July/2004)					
(Type: WEIR)									
Waterway Adequacy		7	7	(Iced up to crown at inlet. 1.0m from crown at outlet. 2001/03/22)					
Icing (Y/N)	Yes								
Silting (Y/N)	No								
Drift (Y/N)									
Barrel General Rating		N	5						
Culvert Common and				ream End					
Culvert Component		Last W	Now	Explanation of Condition					
Direction	OTEEL	VV							
End Treatment (Concrete, Steel, Others, None)	SIEEL								
Headwall		Х	Х						
Collar			Х						
Wingwalls			Х						
(Shape:)									
Cutoff Wall			Х						
Bevel End			7						
Heaving (mm) 0		7							
Invert Above/Below Stream Bed ABOVE									
Above/Below (mm) 500									
Scour Protection			4	Hanging outlet-eroded 1.0m along bevel.					
(Type : RIP RAP)		4							
(Avg. Rock Size(mm) : 200)									
Scour/Erosion		4	4						
Beavers (Y/N)	No								
Downstream End General Ratio	ng	4	4						
		s	ı tructu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)		1	111011						
Alignment		5	5	Drift & sediment cause sharp bend at U/S end.					
Bank Stability			7						
HWM (m below Top of Culvert)									
Drift (Y/N) Yes				HWM not visible.					
Channel Bottom Degrading/Aggrading DEGRADING									
Beavers (Y/N) No									
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	·								
Channel General Rating		5	5						

		Maintenance R	ecommen	dations					
Inspector Recommendations	Year	Inspector Comments		Department Comm	ents		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS									
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	}								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	low) 55.6/55	Sufficiency Rating (Last	/Now)	60.0/58.6	Est. Repl. Yr	2034	Maint. Re	qd. (Y/N)	No
Special Monitor scour. Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	Estimated Tota	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Dave Lam		Previous	Assistant's Name					
Next Inspection Date	07-Apr-2014		Previous	Inspection Date	09-Aug-2007				
Inspection Cycle (Default) (months)	39								
Comment									