Bridge Culvert Inspection														
1 MAIN 2027 2241  Special Features Comment  Utility Attachments  Telephone South ditch.  Power 30m South OF CL-7W, & 50m TO NW Others Fibre optics North RW.  Remarks  A  Horizontal Alignment  Vertical Alignment  Roadway Width (m) 24.000  Embankment							Form T			CUL1				
							Lot No.	• •		4				
	Name		HMORE				Inspector Name			Jon Davies				
Pear Built Bridge or Town Name STRATH Located Over TRIBUTA 2.13.13.9 Located On 1:14 R1 3 Water Body CI./Year Navigabil. CI./Year Legal Land Location Longitude, Latitude Road Authority Alberta T Contract Main. Area CMA30 Clear Roadway/Skew AADT/Year Road Classification Detour Length (km) Bridge Culvert Information Number of Culverts Pipe # Barrel Special Features Special Features Comment  Utility Attachments Telephone South ditch. Power 30m South OF Cothers Fibre optics Nor Remarks  Horizontal Alignment				NFOOT (	CREEK	 ζ.	Inspector Class			BR CLS B				
		2.13.13.	9, WATERCRS	S-ST		,	Assistant Name							
Located On		1:14 R1	3.733;1:14 L1	3.733			Assistant Class							
Water Body CI./	Year						Inspection Date		16-Feb-2012					
Navigabil. Cl./Ye	ear					Data Entry By		Lauren Korte						
Legal Land Loca	ation	NW SE	7 TMD 24 DGE 23 M/4M				Data Entry Date			18-Mar-2012				
Longitude, Latit	ude	-113:12:	28, 51:02:15				Reviewer Name			Garry Roberts				
Road Authority Alberta Tr		Transportation		Review Date			27-Feb-2012							
Contract Main. Area CMA30					Dept. Reviewer Name									
					Dept. Review Date			22-Mar-2012						
		2010 (A)				Follow-Up By			LE IVIUI EVIE					
Road Classification RAD-41		2.4-120												
Detour Length (	km)	1												
Bridge Culvert	Inform	ation												
Number of Culv	erts		1							I				
Pipe #	Barrel		Span Rise (or		Dia.)	Type		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		2027	2241		SPE	79.5			152X51	3.0	ELLIPSE		
Special Feature	S		CONC FLOOR											
Special Feature	s Comi	ment												
Licition According					Uti	lities (L	ocated	at)						
					Gas 80m North of CL.									
				0) 4/				80m r	NOTE OF OL.					
			-2VV.		Municipal Problem (Y/N) No									
	ribre	optics inc	orin Rvv.				Problei	II ( I /IN)	INO					
Remarks				Λ	nnroad	sh Poac	l / Emb	ankment						
				^		Now	Explanation of Condition							
Horizontal Alignment			7	7		Intersection 150 m West.								
			7	6	Hill to \	Vest & Ea	ast.							
Embankment					7	7	@ Nort	h end. 4:	1 at roa	ad side slopes.				
Sideslope (	:1)		2.0											
(Height of Cov		: )					1							
Guardrail (Y/N)		. ,	Yes											
Approach Road	d / Eml	bankmer	nt General Rat	ing	7	7								
Culvert Comm	nent						am End		Condi	tion				
Culvert Compo	ment				<b>Last</b>	Now		ation of	Conal	uon				
End Treatment (Concrete, Steel, CONCRETE			3		South End.									
Others, None) Headwall					6	6								
				-	Wide analism of an alliant @ OF									
Collar			4	4	Wide cracking & spalling @ SE.									
Wingwalls			X	X										
(Shape: )														
Cutoff Wall			N	N	Subme	rged.								

			Unetre	am End					
Outroot Commonstrat				eam End					
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		7	7						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	400								
Scour Protection		6	6	400mm Rock in U/S bevel.					
(Type : RIP RAP)				Heavily vegetated.					
(Avg. Rock Size(mm) : <b>300</b> )									
Scour/Erosion		6	6						
Beavers (Y/N)	No								
Upstream End General Rating		4	4						
		Brid	dae Cu	lvert Barrel					
Culvert Component				Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN. S	-		·					
Barrel Last Accessible Date	16-Feb-2012			Pipe @ W/B Lanes 2240 Span X 2027 Rise.					
Special Features									
Special Feature		X	N	Pipe diameter change at R10. New floor starts at end of R10.					
(Type : CONC FLOOR)				New floor starts at end of R10.					
Special Feature									
(Type:)									
Roof		7	7	Roof measured rise with new concrete.					
Measured Rise (mm)	2220		,	Trees measured nee war new controle.					
Measured At Ring No.	10			Estimate.					
Sag (mm)	21								
Percent Sag	1			-					
Sidewall	'	7	7	R17 @ East 50mm dia hole from const.					
	2265	- '		K17 @ East 50ffill dia floie florif corist.					
Measured Span (mm)	20			-					
Measured At Ring No.	25			_					
Deflection (mm)				_					
Percent Deflection	1								
Floor		N	N	New concrete floor R10 to D/S end.					
Bulge (mm)	0			-					
Measured At Ring No.	<u> </u>			-					
Abrasion (Y/N)	No								
Circumferential Seams		7	7						
Separation (mm)	0								
Longitudinal Seams		7	7						
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		5	5	Superficial corrosion in floor rings 1 to 10 and U/S bevel.					
Corrosion By Soil (Y/N)	Yes			Stains at boltholes at Roof.					
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								

02154 -1 Bridge Culvert

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm	): 2027	', Rise (mm): 2241, Type: SPE)
Fish Passage Adequacy		5	5	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		6	6	
Icing (Y/N) No				
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating			7	
g		7		
				ream End
Culvert Component		Last	Now	Explanation of Condition
Direction		N		North End.
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		X	Х	
Collar			7	
Wingwalls			X	
(Shape: )				
Cutoff Wall			N	P.R 7. Ice covered.
Bevel End		7	6	
Heaving (mm)	100			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm) 200				
Scour Protection		7	6	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion			6	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	6	
		S	Structu	re Usage
			Now	Explanation of Condition
Channel (U/S and D/S)	ı	Luci	11011	
Alignment			5	2-800mm dia mp pipes & channel 90 deg to SW in addition to main channel for South highway ditch drainage.
Bank Stability			6	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N) No				
Channel Bottom DEGRADING Degrading/Aggrading				Trees in D/S channel @ bevel end.
Beavers (Y/N) No				
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 :	·			
Channel General Rating		5	5	

			Maintananas	200000000	ations						
Inapactor Decommendations	Year	Inspector Cor	Maintenance F	kecommend	Department Com	om onto			Target Year	Est. Cost	Cat #
Inspector Recommendations	rear	inspector Cor	mments		Department Con	nments			rarget rear	ESI. COSI	Cat #
SHOTCRETE REPAIRS PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTO	)FF										
REPAIR SEAMS	J1 1										
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No. (%)	ow) 77.8/77	7.8 Suff	ficiency Rating (Las	t/Now)	68.4/67.4	Est. F	Repl. Yr	2015	Maint. Re	eqd. (Y/N)	No
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date				Estimated Tota	I 0	
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Garry Roberts				Previous Assistant's Name						
Next Inspection Date	16-Nov-2013		Previous	Previous Inspection Date 17-Aug-2010							
Inspection Cycle (Default) (months)	21				•						
Comment											