					Bridg	e Culve	rt Inspe	ection								
Bridge File Num	ber	13019 -	1 Bridge Culve	rt			Form T	уре		CUL1						
Year Built 1955							Lot No.			3						
Bridge or Town I	Name	CARBO	N				Inspector Name			Owen Salava						
Located Over			RDER TRIBUTA (, 3.46.3.1, WAT			IILLS	Inspector Class			BR CLS A						
Located On			C1 16.020	Zitorto	<u> </u>		Assistant Name									
Water Body Cl./	Year						Assistant Class			00 1 0044						
Navigabil. Cl./Ye							· ·	tion Date		26-Jan-2011						
Legal Land Loca		SE SEC	C 27 TWP 29 R	GE 22 W	4M		Data Entry By Marcia Chavez									
Longitude, Latitu		-113:00	:44, 51:30:12		Data Entry Date			03-Mar-2011								
Road Authority Alberta Tra			Transportation		Reviewer Name Review Date			John O'Brien								
Contract Main. Area CMA21			·	,			Dept. Reviewer Name			03-Feb-2011						
Clear Roadway/	Skew	8 / -10	deg. (LHF)	ea. (LHF)												
AADT/Year			2009 (A)					Review Da	ate	04-Mar-2011						
Road Classificat		RCU-20					Follow-	ор ву								
Detour Length (F	km)	6														
Bridge Culvert	Informa	ation														
Number of Culve	erts		1													
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape				
1 1	MAIN		1407	1621		SPE		51.2		152X51	2.8	ELLIPSE				
Special Features	S															
Special Features	s Comm	nent														
					1 14	lities (I	ocated	at)								
Utility Attachmer	nts				Ott	III.IGS (L	-ocaleu	αι)								
Telephone	South.						Gas									
Power		O/H 30	m N				Municip	nal								
Others	O WIIO	0/11/00						m (Y/N)	No							
Remarks	Power	- 2 wire	es x 300m E				1 100.0	(.,,,,								
				Aı	oproac	ch Road	l / Emb	ankment								
					Last	Now	Explan	ation of	Condi	tion						
Horizontal Align	ment				7	7			40m W	to the S & N.						
Vertical Alignme	nt				6	6	Sag cu	rve.								
Roadway Width	(m)		8.000													
Embankment					7	7										
Sideslope (:	:1)		3.0				1									
(Height of Cov	er(m) :	6.5)					1									
Guardrail (Y/N)		,	Yes													
Approach Road	d / Emb	ankme	nt General Rat	ing	6	6										
						Unstra	l am End									
Culvert Compo	nent				Last	Now		ation of	Condi	tion						
Direction					N	,			-							
End Treatment ( Others, None)	Concre	te, Stee	el, STEEL													
Headwall					Х	X										
Collar					Х	X										
Wingwalls			Х	Х												
(Shape: )																
Cutoff Wall					Х	Х										

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End	<u> </u>	6	6	Explanation of Condition
Heaving (mm)	300	0	0	
Invert Above/Below Stream Bed				
Above/Below (mm)	100	NI NI	l NI	0
Scour Protection		N	N	Snow covered.
(Type:)				
(Avg. Rock Size(mm):)				
Scour/Erosion		N	N	Snow covered.
Beavers (Y/N)	No			
Upstream End General Rating		6	6	
		Brid	dge Cu	lvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN.			· ·
Barrel Last Accessible Date	26-Jan-2011			
Special Features		-		
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		2	2	(Min rice 1440mm 14 10/ eng. 0EOet2004). Was not able to massure
	4.440	3	3	(Min rise 1440mm-11.1% sag. 05Oct2004). Was not able to measure rise due to ice.
Measured Rise (mm)	1440			
Measured At Ring No.	101			(05Oct2004).
Sag (mm)	181			
Percent Sag	11			
Sidewall	T.	3	3	Shape is stil adequate. No deflection change since last inspection.
Measured Span (mm)	1560			
Measured At Ring No.	8			
Deflection (mm)	153			10.9%
Percent Deflection	10			
Floor		4	4	Rust with pitting. Near D/S barrel. Scaling near inlet.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		6	6	
Separation (mm)	0			1
Longitudinal Seams		6	6	
Total No. of Cracked Rings	0	J		-
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Coating	. 10	5	5	
	Yes	5	່ວ	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	Yes			

		Bric	lge Cul	vert Barrel						
Culvert Component				Explanation of Condition						
(Pipe #: 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	): 1407	, Rise (mm): 1621, Type: SPE)						
Fish Passage Adequacy		4	4	(D/S invert above S/B. 22Feb2008). Rating carried forward.						
Baffle		Х	Х							
(Type:)										
Waterway Adequacy		6	6							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		3	3							
		D	ownstr	eam End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		S								
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		Х	Х							
Collar		Х	Х							
Wingwalls		X	X							
(Shape: )		1	,							
Cutoff Wall		Х	Х							
Bevel End		6	N	(Some damage on ends - minor. 22Feb2008). Snow covered.						
Heaving (mm)	200									
Invert Above/Below Stream Bed	ABOVE									
Above/Below (mm)	250									
Scour Protection		6	N	(Rock has been placed. 22Feb2008). Snow covered.						
(Type : <b>RIP RAP</b> )										
(Avg. Rock Size(mm) : <b>200</b> )										
Scour/Erosion		6	N							
Beavers (Y/N)	No									
Downstream End General Ratin	ng	6	6	GR carried forward from 22Feb2008.						
		s	tructur	e Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		7	7	Freshly graded through D/S channel for pipeline construction. Filter fabric not trenched in.						
Bank Stability		7	7							
HWM (m below Top of Culvert)				HWM not visible.						
Drift (Y/N)	No			(Some rock in barrel. 05-Oct-2004).						
Channel Bottom Degrading/Aggrading	DEGRADING									
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	·									
Channel General Rating		7	7							

					Mainte	nance Recomme	ndations							
Inspector Recommendations			Year Inspector Comments				Department C	Targe	et Year	Est. Cost	Cat #			
SHOTCRETE REF							•							
PLACE ADDITIONAL RIP RAP														
REMOVE DRIFT ACCUMULATION														
INSTALL CONCRETE/STEEL LINING		3												
INSTALL STRUTS	3													
INSTALL CONCRI	ETE COLLAR/CUT	OFF												
REPAIR SEAMS														
OTHER ACTION		2	2011	Remove soil from D/S channel, seed disturbed area, if not yet done.			ed							
OTHER ACTION														
OTHER ACTION														
OTHER ACTION														
Structural Condition Rating (Last/Now) (%)			33.3/33.	Sufficiency Rating (%)		ng (Last/Now)	44.6/44.5	Es	t. Repl. Yr	2020	N	laint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection	No action concernion	ng deflec	ted shap	e, archino	g is adequate.		Department Comments							
Maintenance Revi	ewed By						Date				Estima	ted Total	0	
		2003.08	3.18 Rep	lace culv	ert in 2020.					,				
On 3-Year Program	m (Y/N)													
Proposed Action														
Previous Inspector's Name Bryan		Bryan V	Bryan Wai Previous				us Assistant's Nam	Assistant's Name						
Next Inspection Date 26-A		26-Apr-	2014			s Inspection Date 22-Feb-2008								
Inspection Cycle (I	Default) (months)	39												
Comment	, , , ,													