Bridge Culvert Inspection															
Bridge File Number 70357 -1			-1 Bridge Culvert				Form Type		CUL1						
Year Built 1972							Lot No.		1						
Bridge or Town Name BIG STO			ΓΟΝΕ				Inspector Name		Jason Saly						
Located Over TRIBUTA		ITARY TO ALKALI CREEK, 3.6.3,				Inspector Class			BR CLS A						
Located On 570:06 C			C1 11 558				Assistant Name								
Water Body CL/Year							Assista	Assistant Class		07 Nov 0040					
Navigabil. CI./Y	ear						Inspect	Inspection Date		27-Nov-2010					
Legal Land Loc	ation	SW SEC	: 14 TWP 26 F	GE 8 W4	M		Data Entry By			Marcia Chavez					
Longitude, Latitude -111:01:3			32, 51:12:45				Data Entry Date			07-Jan-2011					
Road Authority Alberta		Transportation (AIT)					Review Date		John O'Brien						
Contract Main. Area CMA22		2					Dept Reviewer Name								
Clear Roadway/Skew 10 / 21		10 / 21 d	21 deg. (RHF)						ato						
AADT/Year		320 / 200	/ 2009 (A)					Eollow Up By		12-Jd11-2011					
Road Classifica	ation	RCU-21	0-110				гоном-ор ву								
Detour Length (	(km)	20													
Bridge Culvert Information															
Number of Culv	/erts	1													
Pipe #	Barrel	S	Span	Rise (or	Dia.)	Туре	Length		Corr. Profile	PI./Slab Thickness	Shape				
1	MAIN	-		1800		MP		53.4		125X26	3.5	ROUND			
Special Feature	es														
Special Features Comment Original MP extended both ends with CSP. Steel Struts.															
					Uti	ilities (L	ocated	at)							
Utility Attachme	ents														
Telephone S. ditch							Gas								
Power							Municip	al							
Others							Problem	n (Y/N)	No	)					
Remarks															
				A	oproa	ch Road	d / Emba	inkment		-					
			Last	Now	Explanation of Condition										
Horizontal Alignment				8	6	distance to the East.									
Vertical Alignment Roadway Width (m)		10.000		0	0										
Embankment				7 7		-									
Sideslope (	<u>.:1)</u>		3.5				-								
(Height of Co	ver(m) :	5.4)													
Guardrail (Y/N)			No												
Approach Roa	d / Emb	bankmen	t General Rat	ing	6	6									
						Upstre	am End								
Culvert Compo	onent				Last	Now	Explan	ation of	Condi	tion					
Direction					N		_								
End Treatment (Concrete, Steel, STEEL Others, None)															
Headwall	Headwall			X	Х										
Collar				X	X										
Wingwalls			X	X	-										
(Shape : )															
Cutoff Wall					X	X									

Alberta Transportation

			Upstre	eam End					
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		7	7						
Heaving (mm)	75								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm) 150									
Scour Protection			N	Snow covered.					
(Туре : )									
(Avg. Rock Size(mm) : )									
Scour/Erosion		6	Ν	Snow covered.					
Beavers (Y/N) No									
Upstream End General Rating	1	7	6	Based on scour from 30Jan2009.					
		Brid	dae Cu	lvert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp	an (mm	ı):	, Rise (mm): 1800, Type: MP)					
Barrel Last Accessible Date	27-Nov-2010								
Special Features			_						
Special Feature				Struts in CMP barrel section. Steel tube (3"x4") on 1.2m centres.					
(Type : )			-	_					
Special Feature									
(Type : )									
Roof		4	3	Roof dented from installation.					
Measured Rise (mm)	1662			Main pipe: N end=1561, Midpt.=1639, S end=1601; N. Ext: N end=1713, Midpt.=1602, S end=1597; S. Ext: Not taken due to ice &					
Measured At Ring No.	4			debris. Rating reag on main pipe $1561 = 239$ mm = $13.2\%$ .					
Sag (mm)	138								
Percent Sag	13								
Sidewall		3	3	Main pipe: N end=2019, Midpt.=1967, S end=2027; N. Ext: N					
Measured Span (mm)	2027			end=1900, Midpt.=1979, S end=2008; S. Ext: N end=1991, Midpt =1900, S end=1897, Rating base on main pipe					
Measured At Ring No.	4			2027=227=12.6%.					
Deflection (mm)	227								
Percent Deflection	12								
Floor		5	5	Rusting on floor.					
Bulge (mm)	0								
Measured At Ring No.									
Abrasion (Y/N)	No								
Circumferential Seams		6	6	Seams are tarred.					
Separation (mm)	60			1					
Longitudinal Seams		6	6	Ratedin MP Barrell					
Total No. of Cracked Rings	0	-							
Total No. of Rings with Two Cracked Seams	0								
Min. Remaining Steel Between Cracks (mm)									
Proper Lap (Y/N)				1					
Longitudinal Stagger (Y/N)				1					
Coating		5	5						
Corrosion By Soil (Y/N)	No		<u> </u>	1					
Corrosion By Water (Y/N)	Yes			1					
Camber POS/ZERO/NEG	NEG								
Ponding (Y/N)	No								

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Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel								
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 1800, Type: MP)				
Fish Passage Adequacy			Х					
Baffle			Х					
(Type : )								
Waterway Adequacy		5	5					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		3	4	GR increased by 1 point due to struts.				
			ownet	zoom End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		S	NOW					
End Treatment (Concrete, Steel, STEEL Others, None)		5						
Headwall	1	Х	X					
Collar		X	Х					
Wingwalls		X	Х					
(Shape : )								
Cutoff Wall	Cutoff Wall							
Bevel End		6	6					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	250							
Scour Protection		6	N	Snow covered.				
(Type:)				-				
(Avg. Rock Size(mm) : )		1						
Scour/Erosion			N	Snow covered.				
Beavers (Y/N)	No							
Downstream End General Ration	ng	6	6					
		S	Structu	re Usage				
Last Now Explanation of Condition								
Channel (U/S and D/S)		1						
Alignment			7					
Bank Stability			7					
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)			-				
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating			7					

Maintenance Recommendations											
Inspector Recommendations		'ear	Inspector Comments	Department Comme	٦ [	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTC	FF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No (%)	ow) 33	3.3/44.4	4 Sufficiency Rating (Last/Now) (%)	<b>49.2/53.3</b> Est. Repl. Yr 2020		020	Maint. Reqd. (Y/N)		No		
Special Comments for Next Inspection	r roof & sidewalls with r=3.	Department Comments									
Maintenance Reviewed By				Date	Date Estimated Total 0						
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Garry Rob	oberts	Previous	Assistant's Name	Assistant's Name						
Next Inspection Date 27-F		2014	Previous	revious Inspection Date 30-Jan-2009							
Inspection Cycle (Default) (months) 39											
Comment											