Bridge Culvert Inspection													
Bridge File Number 72236		72236 -2	236 -2 Bridge Culvert				Form Type		CULE				
Year Built 2011							Lot No.		4				
Bridge or Town Name MARLBO			ORO				Inspector Name		Todd Warshawski				
Located Over TRIBUTA			ARY TO MCLEOD RIVER, 7.34 WATERCRS-ST				Inspector Class			BR CLS B			
Located On		32.829:16:04 R1 33.763				Assistant Name							
Water Body Cl.	/Year	-				Assistant Class							
Navigabil. Cl./Year							Inspection Date		09-Aug-2012				
Legal Land Location SE SEC 1			1 TWP 53 RGE 20 W5M				Data Entry Dy			Ineresa Lacusta			
Longitude, Latitude -116:48:1		:14, 53:32:39				Reviewer Name		04-Sep-2012					
Road Authority Alberta		Alberta -	a Transportation (AIT)				Review Date		24 Aug 2012				
Contract Main. Area CMA1		CMA13	13					Dept. Reviewer Name		Brent Herrick			
Clear Roadway	/Skew						Dept. Reviewer Name						
AADT/Year		6,080 / 2	2011 (A)				Eollow Up By		10-3ep-2012				
Road Classifica	ation	RAD-41	2.4-120					Op Dy					
Detour Length	(km)	1											
Bridge Culvert	t Informa	ation											
Number of Culv	/erts		1										
Pipe #	Barrel		Span	Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	U/S	-	-	2000		MP	10			125X26	2.8	ROUND	
1	MAIN	- 1829		1829		SSP		72.2			12.7	ROUND	
1	D/S		-	2000		MP		10		125X26	2.8	ROUND	
Special Feature	es												
Special Feature	es Comm	nent											
					1 14	ilitios (l	ocated	at)					
Litility Attachme	ents				01	inties (L		aty					
Telephone N & S r/w							Gas		Cross	ses hwy 100m East			
Power North r/w					Munici	bal							
Others							Proble	m (Y/N)	No				
Remarks													
				Ap	proa	ch Road	l / Emb	ankment					
					Last	Now	Explan	ation of	Condit	ion			
Horizontal Alignment						7	-						
Vertical Alignm	ent		_		8								
Roadway Width	ר (m)		25.000										
Embankment						8							
Sideslope (_:1)		4.0										
(Height of Co	ver(m) :	3)											
Guardrail (Y/N)			No										
Approach Roa	ld / Emb	ankmen	nt General Rat	ing		7							
						Upstre	am End						
Culvert Component Last						Now	Explan	ation of	Condit	ion			
Direction			Ν										
End Treatment (Concrete, Steel, STEEL Others, None)													
Headwall					Х								
Collar				Х									
Wingwalls				Х									
(Shape :)													

Alberta Transportation

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Cutoff Wall			X							
Bevel End			9							
Heaving (mm)										
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	700									
Scour Protection			9	Rock drain on NW ditch.						
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 450)										
Scour/Erosion			9							
Beavers (Y/N)	No									
Upstream End General Rating	1		9							
		Brid	dae Cu	Ivert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: U/S, Span	(mm):	, F	Rise (mm): 2000, Type: MP)						
Barrel Last Accessible Date	18-Nov-2011									
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type :)										
Roof			9							
Measured Rise (mm)	1996		U							
Measured At Ring No	1									
Sag (mm)										
Percent Sag										
Sidewall			9							
Measured Span (mm)	1978		U							
Measured At Ring No.	1									
Deflection (mm)										
Percent Deflection										
Floor			Q							
Bulge (mm)			5							
Measured At Ring No	1									
Abrasion (Y/N)	No									
Circumferential Seams	-		X							
Separation (mm)			~							
Longitudinal Seams			Х							
Total No. of Cracked Rings										
Total No. of Rings with Two Cracked Seams										
Min. Remaining Steel										
Proper Lap (Y/N)										
Longitudinal Stagger (Y/N)										
Coating			۵							
Corrosion By Soil (V/N)	No		3							
Corrosion By Water (V/N)	No									
	7500									
Camper POS/ZERO/NEG	ZERU									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

72236 -2 Bridge Culvert

Bridge Culvert Barrel								
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: U/S, Span	(mm):	, F	Rise (mm): 2000, Type: MP)				
Ponding (Y/N)	Yes			Due to d/s structure under railway.				
Fish Passage Adequacy			9					
Baffle			Х					
(Туре :)								
Waterway Adequacy			9					
Icing (Y/N)	No							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel Extension General Ratir	ng		9					
		Bric	lge Cu	Ivert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	<u>n (mm</u>):	, Rise (mm): 1829, Type: SSP)				
Barrel Last Accessible Date	18-Nov-2011							
Special Features			1					
Special Feature				-				
(Type:)				-				
Special Feature				-				
(Туре :)								
Roof			9					
Measured Rise (mm)	1809							
Measured At Ring No.				-				
Sag (mm)				-				
Percent Sag			1					
Sidewall	1		9					
Measured Span (mm)	1809			@ CL				
Measured At Ring No.				-				
Deflection (mm)				-				
Percent Deflection			1					
Floor	1		9					
Bulge (mm)				-				
Measured At Ring No.	Measured At Ring No.			-				
Abrasion (Y/N)	NO							
			9	Welded seams				
Separation (mm)								
Longitudinal Seams			X					
Total No. of Cracked Rings				-				
Cracked Seams								
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)								
Longitudinal Stagger (Y/N)								
Coating			X	Steel pipe, no coating				
Corrosion By Soil (Y/N)								
Corrosion By Water (Y/N)								
Camber POS/ZERO/NEG	ZERO							

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

72236 -2 Bridge Culvert

	Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Location Code: MAIN, Spa):	, Rise (mm): 1829, Type: SSP)						
Ponding (Y/N) Yes										
Fish Passage Adequacy			9							
Baffle			Х							
(Type:)										
Waterway Adequacy			9							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating			9							
			ownstr	eam End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		S								
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall			X							
Collar	Collar									
Wingwalls			Х							
(Shape:)										
Cutoff Wall			X							
Bevel End			9							
Heaving (mm)										
Invert Above/Below Stream Bed	BELOW			-						
Above/Below (mm)	800									
Scour Protection			9							
(Type : RIP RAP)				-						
(Avg. Rock Size(mm) : 450)										
Scour/Erosion	1		9							
Beavers (Y/N)	No									
Downstream End General Ration	ng		9							
		S	Structu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment			7	Slight bend at inlet & outlet.						
Bank Stability			9							
HWM (m below Top of Culvert)	0.4			April/2012						
Drift (Y/N)	No									
Channel Bottom NONE Degrading/Aggrading										
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :	NONE)			Rock clusters in u/s channel						
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating			7							

72236 - 2 Bridge Culvert

Maintenance Recommendations												
Inspector Recommendations	۱ ۱	Year Inspector Comments			Department Com	Target Year	Est. Cost	Cat #				
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTC	DFF											
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)		/100.0	Sufficiency Rating (Last/N (%)	ow) /	98.5	Est. Repl. Yr	2070	Maint. Red	qd. (Y/N)	No		
Special Comments for Next Inspection					Department Comments							
Maintenance Reviewed By					Date		E	Estimated Total	0			
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name				Previous <i>J</i>	Assistant's Name							
Next Inspection Date 09-Ma		-2014		Previous	revious Inspection Date							
Inspection Cycle (Default) (months) 21												
Comment												