Bridge Culvert Inspection														
Bridge File Number 73935 -1 Bridge Culvert					Dirag	o ourre	Form Type			CUL1				
Year Built	1956						Lot No.			2				
Bridge or Town I	Name		F					pector Name		Brian Pientsch				
Located Over			 ARY TO STON	IY CK. 8.	10.58.	7.15.2.	Inspector Class			BR CLS A				
		WATERC	CRS-ST			,	Assistant Name			Lisbeth Medina				
Located On		747:02 C	1 25.989			Assistant Clas								
Water Body Cl./Year							Inspection Date			30-Nov-2010				
Navigabil. Cl./Ye	ear						Data Entry By			Theresa Lacusta				
Legal Land Location NW SEC 9 TWP 73 RGE 19 W5N					5M			Data Entry Date		21-Dec-2010				
Longitude, Latitude -116:52:23, 55:18:40										Arnold Assenheimer				
Road Authority Alberta Transportation (AIT)							Review Date			20-Dec-2010				
Contract Main. Area CMA06							Dept. Reviewer Name			David Morriso	า			
Clear Roadway/	Skew	i	deg. (LHF)	HF)				Review Dat		24-Feb-2011				
	AADT/Year 490 / 200							-Up By						
Road Classificat		RCU-210)-110											
Detour Length (km) 26														
Bridge Culvert														
Number of Culve		1		D						0 0 0				
Pipe # E	Barrel	5	Span	Rise (or	Dia.)	Dia.) Type		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	2	019	2226		SPE		75.1		152X51	3.0	ELLIPSE		
Special Features	S					1				1				
Special Features		ment												
					Uti	lities (L	ocated	at)						
Utility Attachmer	nts													
Telephone							Gas							
Power							Munici							
Others							Proble	m (Y/N) I	No					
Remarks														
				А	Last			ankment nation of C	ondi	tion				
Horizontal Alignment					8	8	слріаі		onun					
Vertical Alignme					8	8	-							
			10.000			U								
			10.000											
Embankment					8	7								
Sideslope (:	1)		3.0											
(Height of Cov	er(m) :	6)												
Guardrail (Y/N)			No											
Approach Road	l/Emł	ankmont	Conoral Pat	ina	8	0								
				ing	0	8								
						Upstre	am End							
Culvert Compo	nent				Last	Now	Explar	nation of C	ondi	tion				
Direction					E		-							
End Treatment (Others, None)	Concre	ete, Steel,	STEEL											
Headwall			X	X										
Collar			X	Х										
Wingwalls	Wingwalls			X	X									
(Shape :)				-1	1									
Cutoff Wall			X	Х										

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Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		5	5	Both bevel sides bent inwards.						
Heaving (mm)	500			Approx 100mm.						
Invert Above/Below Stream Bed	BELOW			-						
Above/Below (mm)	1000									
Scour Protection		8	7	_						
(Type : RIP RAP)				_						
(Avg. Rock Size(mm) : 350)		1								
Scour/Erosion		8	7							
Beavers (Y/N)	Yes			@ u/s end						
Upstream End General Rating		5	5							
		Bric	dge Cu	lvert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm): 2019	, Rise (mm): 2226, Type: SPE)						
Barrel Last Accessible Date	30-Nov-2010									
Special Features										
Special Feature										
(Type :)										
Special Feature										
(Туре :)										
Roof		6	6							
Measured Rise (mm)	2228									
Measured At Ring No.	12			Upward deflection.						
Sag (mm)	2									
Percent Sag	1									
Sidewall		6	6							
Measured Span (mm)	2058									
Measured At Ring No.	12			_						
Deflection (mm)	39			_						
Percent Deflection	2		_							
Floor		6	6							
Bulge (mm)	0									
Measured At Ring No.				-						
Abrasion (Y/N)	Yes		_							
Circumferential Seams		6	4	Some bolts missing on east end-about 6 all together, all from						
Separation (mm)	5			different panels. 2nd ring - 2 missing nuts, 1 bolt and nut missing. 3rd ring 5 missing bolts.						
Longitudinal Seams		6	5	Ring 2 and 3 have missing nuts at 3 o'clock.						
Total No. of Cracked Rings	0			(1N stagger, 4 rings only.)						
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			4	Pitting rust, bottom third. Alkaline deposit through roof bolts.						
Corrosion By Soil (Y/N)	Yes									
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel										
Culvert Component		1		Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	in (mm): 2019	, Rise (mm): 2226, Type: SPE)						
Ponding (Y/N)	No									
Fish Passage Adequacy		6	6							
Baffle		Х	Х							
(Туре :)										
Waterway Adequacy		7	7							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		6	5							
		D	ownstr	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		W								
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		X	Х							
Collar	Collar									
Wingwalls		X	X							
(Shape :)										
Cutoff Wall		X	X							
Bevel End		5	5	Both bevel sides pushing in approx 150mm.						
Heaving (mm)										
Invert Above/Below Stream Bed	ABOVE									
Above/Below (mm) 200										
Scour Protection			7							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 400)										
Scour/Erosion			7							
Beavers (Y/N)	No									
Downstream End General Ratin	ng	5	5							
		S	structu	re Usage						
			Now	Explanation of Condition						
Channel (U/S and D/S)	1		-							
Alignment		5	5							
				HWM not visible.						
Bank Stability			6							
HWM (m below Top of Culvert)										
Drift (Y/N)	No									
Channel Bottom DEGRADING Degrading/Aggrading				@ u/s channel						
Beavers (Y/N) Yes										
(Fish Compensation Measure 1 : NONE)										
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating			5							

Maintenance Recommendations												
Inspector Recommendations		Year	Inspecto	r Comments		Department Comments					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		2010	Remove	beaverdam at u/s end.								
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION									_			
Structural Condition Rating (Last/No.	ow)	66.7/55.6		Sufficiency Rating (Last/Now) (%)		64.6/60.1 E		st. Repl. Yr 2012		Maint. Re	qd. (Y/N)	Yes
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	Brian F	Brian Pientsch F				evious Assistant's Name Tim Mis						
Next Inspection Date	28-Feb	-2014			Previous	Is Inspection Date 24-Jul-2007						
Inspection Cycle (Default) (months) 39												
Comment												