Bridge Culvert Inspection													
Bridge File Number	02158 -1 Bridge Culvert				o o un r	Form Type			CUL1				
Year Built	1979					Lot No.			2				
Bridge or Town Name		RTH CR							Brian Pientsch				
Located Over		ARY TO WAB	ASCA RI	VER.		1	tor Class		BR CLS A				
	8.10.18.	7, WATERCR	S-ST	,			ant Name		Clem Guenette	e			
Located On	88:12 C	1 33.973				Assista	ant Class						
Water Body Cl./Year						Inspection Date		12-Jun-2012					
Navigabil. Cl./Year						Data Entry By			Theresa Lacusta				
Legal Land Location		2 TWP 96 R	GE 9 W5N	M		Data Entry Date			19-Nov-2012				
Longitude, Latitude		06, 57:18:05				Reviewer Name			Eric Carcoux				
Road Authority	Alberta Transportation (AIT)					Review Date		04-Nov-2012					
Contract Main. Area	CMA02					Dept. Reviewer Name		David Morrison					
Clear Roadway/Skew				Dept. F	Dept. Review Date		11-Jan-2013						
AADT/Year	180 / 20			Follow-Up By									
Road Classification	RAU-210	0-110				-							
Detour Length (km)													
Bridge Culvert Inform													
Number of Culverts	1					L an ath		O a ma Drafila		Ohr			
Pipe # Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1 MAIN	-		2430		SP		44.5		152X51	2.8	ROUND		
Special Features					1								
Special Features Con	nment												
•													
				Uti	lities (L	ocated	at)						
Utility Attachments								1					
Telephone					Gas								
Power				Munici									
Others						Proble	m (Y/N)	No					
Remarks													
Approach Road / Embankment Last Now Explanation of Condition													
Horizontal Alignment				9	9	Explanation of Condition In gradual sag curve.							
Vertical Alignment					7								
Roadway Width (m) 11.800			7	1									
Embankment	nkment				7								
Sideslope (:1)		4.0											
(Height of Cover(m)	: 3)												
Guardrail (Y/N)		No											
Approach Road / En	hankman	t Gonaral Dat	ina	7	7								
Approach Road / Ell	ibankinen	l General Rai	ing	<i>'</i>	l '								
					Upstre	am End							
Culvert Component				Last	Now	Explar	nation of	Condi	tion				
Direction				W		-							
End Treatment (Conc Others, None)	rete, Steel	, STEEL											
Headwall				X	X								
Collar				X	X								
Wingwalls				X	X								
(Shape :)					~								
Cutoff Wall				X	X								

Alberta Transportation

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		3	3	Bevel damaged from beaver dam removal.						
Heaving (mm)	1000			Heaving approx. 1.0m(photo)						
Invert Above/Below Stream Bed	ABOVE									
Above/Below (mm)	300		1							
Scour Protection			4	Eroding around pipe 2.0m long X 0.5 deep.						
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion			4	Erosion around bevel.						
Beavers (Y/N)	No		<u> </u>							
Upstream End General Rating			3							
			lae Cu	lvert Barrel						
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 2430, Type: SP)						
Barrel Last Accessible Date	12-Jun-2012		,							
Special Features			1							
Special Feature										
(Type :)			1	_						
Special Feature										
(Туре :)										
Roof		6	6	Top of u/s end of barrel damaged @ 12:00.						
Measured Rise (mm)	2344			Ring 11 installation damage @ 2:00.						
Measured At Ring No.	6									
Sag (mm)	86									
Percent Sag	4									
Sidewall		7	7							
Measured Span (mm)	2538									
Measured At Ring No.	6									
Deflection (mm)	108									
Percent Deflection	4									
Floor		N	N	Under water.						
Bulge (mm)										
Measured At Ring No.										
Abrasion (Y/N)										
Circumferential Seams		7	7							
Separation (mm)	0									
Longitudinal Seams		7	7	1N Stagger						
Total No. of Cracked Rings	0									
Total No. of Rings with Two Cracked Seams										
Min. Remaining Steel Between Cracks (mm)										
Proper Lap (Y/N)	r Lap (Y/N) No									
Longitudinal Stagger (Y/N)	Yes									
Coating			4	Pitting bottom 1/3						
Corrosion By Soil (Y/N)	No									
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	NEG									
Ponding (Y/N)	No									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

02158 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component				Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp	ban (mm):	, Rise (mm): 2430, Type: SP)					
Fish Passage Adequacy			3	U/S end heaved					
Baffle			X						
(Type:)									
Waterway Adequacy		5	5						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N) No									
Barrel General Rating			6						
		D	Downstream End						
Culvert Component			Now	Explanation of Condition					
Direction	1	E							
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		X	X						
Collar			Х						
Wingwalls		X	Х						
(Shape :)									
Cutoff Wall			X						
Bevel End		5	5						
Heaving (mm)	400								
Invert Above/Below Stream Bed	ABOVE								
Above/Below (mm) 400									
Scour Protection									
(Type : RIP RAP)			5	Scoured on South side 1m long, 0.5m wide,0.5m deep at end of bevel.					
(Avg. Rock Size(mm) : 300)									
Scour/Erosion			5						
		4							
Beavers (Y/N)	No								
Downstream End General Rating			5						
		S	Structu	re Usage					
			Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment		7	7						
Bank Stability			6						
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N)	Yes			1					
Channel Bottom DEGRADING Degrading/Aggrading									
Beavers (Y/N) No				1					
(Fish Compensation Measure 1 : NONE)									
(Fish Compensation Measure 2 :	· · · · · · · · · · · · · · · · · · ·			1					
Channel General Rating			7						

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments		Department Comr	nents	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTOFF											
REPAIR SEAMS											
OTHER ACTION		2012	Cut off U/S bevel.								
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		66.7/66.	7 Sufficiency Rating (%)	(Last/Now)	48.5/49.6	Est. Repl. Yr	Est. Repl. Yr 2021		qd. (Y/N)	Yes	
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By				Date	Estimated Total 0						
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Brian Pie			ian Pientsch Previous A			Assistant's Name Lisbeth Medina					
Next Inspection Date 12-Ma		2-Mar-2014 Prev			s Inspection Date 05-Aug-2010						
Inspection Cycle (Default) (month	is) 21										
Comment											