Bridge Culvert Inspection														
Bridge File Number 76987 -2 Bridge Culvert			Fo		Form T	Form Type		CUL1						
Year Built 2003							Lot No.		2					
Bridge or Town	Name E	BLUEBE	RRY MTN				Inspector Name		Russel Vanderschaaf					
Located Over	H	HAMELI	N CREEK, 8.1	0.83, WA	TERC	RS-ST	Inspector Class		BR CLS B					
Located On	7	725:02 C	1 17.378				Assistant Name							
Water Body CI./	Year							Assistant Class						
Navigabil. Cl./Ye	ear				Inspection Date		06-Mar-2012							
Legal Land Loca	ation N	NW SEC	5 TWP 81 RGE 8 W6M					Data Entry By		Theresa Lacusta				
Longitude, Latitude -119:13:0			00, 55:59:36					Data Entry Date		27-Mar-2012				
Road Authority Alberta T			Transportation (AIT)					Reviewer Name		Eric Carcoux				
Contract Main. Area CMA05								Review Date		22-Mar-2012				
Clear Roadway/Skew 9.6 / 0 de			eg.		Dept. Reviewer Name		David Morrison							
AADT/Year	3	390 / 201	11 (A)		Dept. Review Date		18-Oct-2012							
Road Classificat	tion F	RCU-209	9-110				Follow	Follow-Up By						
Detour Length (km) 6	51												
Bridge Culvert Information														
Number of Culv	erts	1								I	1			
Pipe #	Barrel	S	Span	Rise (or	Dia.)	Туре	Length			Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN	1	0000	6200		CPA		129				ARCH		
Special Feature	s	C	CONC THRUS	T BEAM										
Special Features Comment														
Litility Attachme	nts				01	iities (i	-ocated	atj						
Telephone							Gas							
Power	2 wire c	h Fast	r/w				Municipal							
Others	2 10 0		17 00				Proble	m (Y/N)	(/N) No					
Remarks			1 100101											
Romanio				A	oproad	ch Road	d / Emb	ankment						
					Last	Now	Explanation of Condition							
Horizontal Alignment			7	7	Sag curve and settlement in pavement over top of centreline of pipe.									
Vertical Alignment				4	4	photo								
Roadway Width	(m)		9.600											
Embankment				3	N	Sloughing at multiple areas on West embankment. Snow cover								
Sideslope (:1)		3.0											
(Height of Cov	/er(m) : 1	17.6)												
Guardrail (Y/N)			Yes											
Approach Road	d / Emba	ankmen	t General Rat	ing	3	4								
						Upstre	am End							
Culvert Compo	nent				Last	Now	Explan	ation of	Condi	tion				
Direction					W		_							
End Treatment (Others, None)	(Concret	e, Steel,				_								
Headwall					9	9								
Collar			X	Х										
Wingwalls					7	7	Approx	Approx. 76m of cracks injected with polyurethane.						
(Shape : FLA	RE)													
Cutoff Wall			N	N										

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Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		Х	X							
Heaving (mm)										
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm) 2000			-							
Scour Protection		N	7							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 1000)			-							
Scour/Erosion		N	7							
Beavers (Y/N) No										
Upstream End General Rating			7							
		Bric	dge Cu	lvert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 1000	0, Rise (mm): 6200, Type: CPA)						
Barrel Last Accessible Date	01-Apr-2010			Too much ice/water to measure rise or span.						
Special Features										
Special Feature				Approx 235m of cracks injected with polyurethane on u/s end.						
(Type:)		1	-	Grout on NE corner of panel spalling out from 10-11:00 approx. 300						
Special Feature				Steel plate R22-R23						
(Type:)										
Roof		7	7							
Measured Rise (mm)										
Measured At Ring No.				estimated						
Sag (mm)				1						
Percent Sag										
Sidewall		7	7							
Measured Span (mm)	9909									
Measured At Ring No				estimated						
Deflection (mm)	0									
Percent Deflection	0									
Floor	•	N	N	ice covered						
Bulge (mm)										
Measured At Ring No				-						
Abrasion (Y/N)										
ADIdSION (T/N)		5	5							
Separation (mm)	15	5	5							
	45	7	7	Crout key in reef						
Total No. of Crocked Pinge		1	1							
Total No. of Rings with Two										
Min. Remaining Steel										
Between Cracks (mm)				-						
Proper Lap (Y/N)				-						
Longitudinal Stagger (Y/N)										
Coating		Х	X							
Corrosion By Soil (Y/N)										
Corrosion By Water (Y/N)										
Camber POS/ZERO/NEG	ZERO									
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, Location Code: MAIN, Span (mm): 10000, Rise (mm): 6200, Type: CPA)										
Fish Passage Adequacy		7	7							
Baffle		X	X							
(Type : WEIR)										
Waterway Adequacy		7	7							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	Drift (Y/N) No									
Barrel General Rating		7	7							
		D	ownstr	eam End						
Culvert Component		Last	Now	Explanation of Condition						
Direction	irection									
End Treatment (Concrete, Steel, Others, None)	CONCRETE		1							
Headwall		9	9							
Collar			X							
Wingwalls		9	9							
(Shape : RIGHT ANGLE)										
Cutoff Wall		N	N							
Bevel End		9	X							
Heaving (mm)										
Invert Above/Below Stream Bed	nvert Above/Below Stream Bed BELOW									
Above/Below (mm)	1000		1							
Scour Protection		7	7							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 1000)			1							
Scour/Erosion			7							
Beavers (Y/N)	eavers (Y/N) No									
Downstream End General Ratin	ıg	7	7							
		S	structu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment			6	Two creeks come around sharp corners before inlet-riprap placed.						
Bank Stability			4	Vertical banks u/s and d/s. Slough on NE embankment directly d/s of d/s riprap.						
HWM (m below Top of Culvert)				No HWM visible.						
Drift (Y/N) No										
Channel Bottom DEGRADING Degrading/Aggrading										
Beavers (Y/N) No										
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		3	4							

Maintenance Recommendations											
Inspector Recommendations		′ear	Inspector Comments		Department Commo	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		012	Fill gap between steel plate and panel	23.							
OTHER ACTION											
OTHER ACTION										_	
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		7.8/77.8	8 Sufficiency Rating (Last/No (%)	/Now) 58.0/62.8		Est. Repl. Yr	2056	Maint. Red	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	Russel V	ussel Vanderschaaf Previous A			Assistant's Name						
Next Inspection Date 06-		06-Jun-2015			evious Inspection Date 01-Apr-2010						
Inspection Cycle (Default) (months) 39											
Comment											