Bridge Culvert Inspection														
Bridge File Nur						Form Type				CUL1				
Year Built		1992					Lot No.		2					
Bridge or Town	It I 1992 r Town Name HINTON Over COLD CREEK, 8.11.141.2, On 40:28 C1 44.074 ody CL/Year I. CL/						Inspector Name		Todd Warshawski					
Located Over	Built 1992 e or Town Name HINTON ed Over COLD CREEK, 8.11.141.2, ed Over 40:28 C1 44.074 Body CL/Year - abil. CL/Year SW SEC 28 TWP 50 RGE tude, Latitude -117:36:30, 53:20:32 Authority Alberta Transportation (AIT act Main. Area CMA13 Roadway/Skew 12.9 / -10 deg. (LHF) //Year 490 / 2011 (A) Classification RAU-211.8-110 r Length (km) 20 e Culvert Information Span er of Culverts 1 # Barrel Span Risc al Features al al Features al agg al Features al agg al Features s s r 4 wire East r/w.s s s File tag in place. s ontal Alignment a.0 g.0 ayay Width (m) 12.900 s.0 nkment s.0 g.0 glip of Cover(m) : 5.6) 3.0				ERCF	RS-ST	Inspector Class		BR CLS B					
Located On	1992 wn Name HINTON vr COLD CREEK, 8.11.141.2 40:28 C1 44.074 CI./Year			,			Assistant Name							
	cated Over COLD CREEK, 8.11.141.2, W cated On 40:28 C1 44.074 ater Body CI./Year						Assistant Class							
	//ater Body CI./YearImage: Second state in the second state is a state in the second state in the second state is a state in the second state in the second state is a state in the second state in the second state is a state in the second state in the second state is a state in the second state in the second state in the second state is a state in the second state in the second state is a state in the second state in the second state is a state in the second state in the second state is a state in the second state in the second state is a state in the second state in the second state is a state in the second state in the second state is a state in the second state in the s						Inspection Date		30-Oct-2012					
Legal Land Location SW SEC 28 TWP 50 RGE 25 W5N				'5M		Data Entry By		Theresa Lacusta						
							Data Entry Date		19-Nov-2012					
				(AIT)			Reviewer Name		Eric Carcoux					
				()			Review			13-Nov-2012				
			0 dea. (LHF)						Brent Herrick					
							Dept. Review Date		20-Nov-2012					
							Follow-Up By							
							1							
Pipe #		S	Span	Rise (or I	Dia.)	Туре	Length			Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	-		3990		SP		71.3		152X51	4.0	ROUND		
Special Feature	es													
Special Feature	es Comi	ment												
					Uti	ilities (L	ocated	at)						
							-							
							Gas							
Power	4 wire	East r/w.				Munici								
Others					Problem (Y/N) No									
Remarks	File ta	ig in place	9.											
							1	ankment		tion				
Harizantal Alia	nmont				Last	Now	Explanation of Condition Gradual curves & grades.							
				8 8										
Vertical Alignment Roadway Width (m)			12.900		<u> </u>									
Embankment					4	N	Ditch e	rosion S	F ditch	500mm deen v	(1000mm widt	h Partially filled		
	·1)		3.0			I N	Ditch erosion, SE ditch 500mm deep x 1000mm width. Partially filled in from clearing operationSept/2010.							
		5.6)	0.0											
Guardrail (Y/N)		. 5.0)	Yes					Minor strike damage, still functional.						
Approach Roa	ad / Eml	bankmen	t General Rat	ing	7	7								
						Upstre	am End							
Culvert Comp	onent				Last	Now	Explan	ation of	Condi	tion				
Direction					E									
End Treatment Others, None)	(Concre	ete, Steel	, CONCRETE											
Headwall					8	8								
Collar					6	6	Wide tranverse cracks in collar. 3 per side.							
Wingwalls					Х	X								
(Shape :)							1							
Cutoff Wall					7	N								

Alberta Transportation

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		8	7							
Heaving (mm)	100									
Invert Above/Below Stream Bed	BELOW			(05/Oct/2007)						
Above/Below (mm) 500										
Scour Protection		7	N	Settlement of riprap along sides of bevel upto 300mmSep, 2010						
(Type : RIP RAP)				Under snow						
(Avg. Rock Size(mm) : 400)										
Scour/Erosion		7	N							
Beavers (Y/N)	No									
Upstream End General Rating		6	7							
		Brid	lge Cu	lvert Barrel						
Culvert Component		Last		Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 3990, Type: SP)						
Barrel Last Accessible Date	30-Oct-2012			Level 2 completed 10-Sep-2010						
				Rings 1-10 appear to be vertically ellipsed.						
Special Features										
Special Feature				-						
(Type:)		1		-						
Special Feature										
(Туре:)										
Roof	1	4	4	-						
Measured Rise (mm)				Estimated from survey. 10-Sep-2010						
Measured At Ring No.	13									
Sag (mm)	300			-						
Percent Sag	8									
Sidewall		5	5	_						
Measured Span (mm)	4260			-						
Measured At Ring No.	13			-						
Deflection (mm)	270			-						
Percent Deflection	1									
Floor	1	N	N	Floor covered in rock wash.						
Bulge (mm)	0			-						
Measured At Ring No.				-						
Abrasion (Y/N)	Yes									
Circumferential Seams	I	8	8							
Separation (mm)	0									
Longitudinal Seams		5	5	Poorly nested in places at ring 13 due to distortion from deflections &						
Total No. of Cracked Rings	0			sagging.						
Total No. of Rings with Two Cracked Seams				Inward deflection on several seams in rhings 2-10.						
Min. Remaining Steel Between Cracks (mm)										
Proper Lap (Y/N)	Yes			2N						
Longitudinal Stagger (Y/N) Yes										
Coating			6	White rust on pieces from improper storage.						
Corrosion By Soil (Y/N)	Yes			Stains at both holes.						
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component		Last		Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	ion Code: MAIN, Spa	n (mm):	, Rise (mm): 3990, Type: SP)					
Fish Passage Adequacy			8						
Baffle		Х	Х						
(Type :)									
Waterway Adequacy		8	8						
Icing (Y/N)									
Silting (Y/N) No									
Drift (Y/N)	No								
Barrel General Rating		4	4						
		D	ownstr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		W		-					
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		Х	Х						
Collar			Х						
Wingwalls	Wingwalls								
(Shape :)			-						
Cutoff Wall			X						
Bevel End			7						
Heaving (mm)	Heaving (mm) 0								
Invert Above/Below Stream Bed	Invert Above/Below Stream Bed BELOW								
Above/Below (mm)	1000		1						
Scour Protection		7	N	Under snow.					
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 400)									
Scour/Erosion		5	N						
Beavers (Y/N)	vers (Y/N) No								
Downstream End General Ratin	ng	7	5	GR carried fwd from 10-Sep-2010					
		S	Structu	re Usage					
			Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment	Alignment								
Bank Stability			5	Upstream banks are eroded near vertical.					
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N) Yes				Large trees across channel at inletphoto					
Channel Bottom Degrading/Aggrading									
Beavers (Y/N) No									
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 : NONE)									
Channel General Rating			6						

Alberta Transportation

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments		Department Comr	nents		Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION		2013	Remove debris at inlet.								
INSTALL CONCRETE/STEEL LINING	}										
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUT	OFF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION						1					
Structural Condition Rating (Last/N (%)	ow)	44.4/44.	4 Sufficiency Rating (Last/ (%)	fficiency Rating (Last/Now))		Est. Repl. Yr 2030		Maint. Reqd. (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	Arnold	Assenhe	eimer	Previous	Assistant's Name	Melanie John	Melanie Johnson				
Next Inspection Date 30-Ju		0-Jul-2014 Previ			us Inspection Date 10-Sep-2010						
Inspection Cycle (Default) (months) 21											
Comment											