Bridge Culvert Inspection														
Bridge File Number 76946 -1			5 -1 Bridge Culvert				Form Type		CUL1					
Year Built	19	96					Lot No.			2				
Bridge or Town	Name HI	NTON					Inspector Name		Todd Warshawski					
Located Over	GF	REGG	RIVER, 8.11.	107.41, W	/ATER	CRS-	Inspector Class			BR CLS B				
Located On	40	I 1·28 C1	12 491				Assista	int Name						
Water Body CL/	Vear	.20 01					Assistant Class							
Navigabil CL/Y	ear						Inspection Date		30-Oct-2012					
Legal Land Location NE SEC								ntry By		Theresa Lacusta				
Longitude Latit	Legal Land Location INE SEC						Data Entry Date			21-Nov-2012				
Road Authority Alberta		herta T	ransportation				Reviewer Name		Eric Carcoux					
Contract Main, Area CMA13		MA13	}				Review Date			12-Nov-2012				
Clear Roadway/Skew 9.5 / 15		5 / 15 c	j deg. (RHF)				Dept. Reviewer Name		Brent Herrick					
AADT/Year	AADT/Year 490 / 2		2011 (A)				Eollow Up By		22-Nov-2012					
Road Classifica	tion RA	AU-213	13.4-110				- Follow-Up By							
Detour Length ((km) 20)												
Bridge Culvert Information														
Number of Culv	erts	1												
Pipe #	Barrel	arrel Span		Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	-		5230		SP		62.8		152X51	5.0,5.0,5.0	ROUND		
Special Feature	s													
Special Feature	Special Features Comment													
								~						
Litility Attachmo	nto				Uti	lities (L	ocated	at)						
	East sho	uldor 8	wort shoulds	\r			Gas							
Power	Last Sho	uluel o		.			Municir	hal						
Others	File tag ir						Problem (Y/N) Yes							
Remarks Telus lines exposed over both ends							II (1/1 N)	163						
Romano		00 000		Ai	oproad	ch Road	l / Emba	ankment						
					Last	Now	Explanation of Condition							
Horizontal Alignment				5 5			Blind horizontal & steep sag curves. No passing.							
Vertical Alignment					6	6								
Roadway Width (m)		9.500												
Embankment				N N			(Shallow rivulet on sideslopes. 19/Arp/2007) Snow covered.							
Sideslope (:1)		1.5				3:1 East.							
(Height of Cov	ver(m) : 9)						CSP ditch drain along SE slope.							
Guardrail (Y/N)		Yes												
Approach Road	Approach Road / Embankment Gene		t General Rat	ing	5	5								
						Upstrea	am End							
Culvert Compo	onent				Last	Now	Explan	ation of	Condit	tion				
Direction			E											
End Treatment (Concrete, Steel, CONCRETE Others, None)														
Headwall			9	7	FOrm bolt holes not patched.									
Collar				N	N	Snow covered.								
Wingwalls				X	Х									
(Shape:)				-1	1									
Cutoff Wall					N	N								

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Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		8	7							
Heaving (mm)	0									
Invert Above/Below Stream Bed BELOW				(19/Apr/2007) Snow covered.						
Above/Below (mm) 500										
Scour Protection		N	N	(Shale is deteriorating. 19/Apr/2007) Snow covered.						
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 600)										
Scour/Erosion		N	N							
Beavers (Y/N)	No		1							
Upstream End General Rating	1	5	5	'5' rating carried forward since 27/Sept/2005.						
				· ····································						
		Bric	lge Cu	lvert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 5230, Type: SP)						
Barrel Last Accessible Date	30-Oct-2012									
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type:)		1								
Roof		8	8							
Measured Rise (mm)	5257									
Measured At Ring No.	11									
Sag (mm)	4									
Percent Sag	0									
		7	7							
Measured Span (mm)	5197									
Measured At Ring No.	10									
Deflection (mm)	133									
Percent Deflection	3									
Floor	-	N	N	Water/ice covered.						
Bulae (mm)	0									
Measured At Ring No.	-									
Abrasion (Y/N)	Yes									
Circumferential Seams		N	8							
Separation (mm)	0		-							
Longitudinal Seams	-	N	8							
Total No. of Cracked Rings	0									
Total No. of Rings with Two Cracked Seams										
Min. Remaining Steel Between Cracks (mm)				2N						
Proper Lap (Y/N) Yes										
Longitudinal Stagger (Y/N) Yes										
Coating		6	6							
Corrosion By Soil (Y/N)	Yes			Minor superficial rust. Lower 1/4. Stains at upper seams and bolts.						
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

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Bridge Inspection & Maintenance System (Web 2005)

76946 -1 Bridge Culvert

Bridge Culvert Barrel										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 5230, Type: SP)						
Fish Passage Adequacy		7	7							
Baffle		N	8	Concrete weir with steel buffer angles.						
(Type : WEIR)										
Waterway Adequacy	Waterway Adequacy		8							
Icing (Y/N)	No									
Silting (Y/N)	No			@ u/s end						
Drift (Y/N) Yes										
Barrel General Rating		N	7							
		D	ownsti	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		W		-						
End Treatment (Concrete, Steel, Others, None)	CONCRETE									
Headwall		N	6							
Collar		Х	Х							
Wingwalls		N	6	Medium diagonal cracks from culvert. CIP concrete retaining wall						
(Shape :)		1								
Cutoff Wall		N	N							
Bevel End			X	_						
Heaving (mm)	0									
Invert Above/Below Stream Bed	ABOVE			-						
Above/Below (mm)	100									
Scour Protection		N	N	(Shale and sandstone. 19/Apr/2007) Snow covered.						
(Type : RIP RAP)				-						
(Avg. Rock Size(mm) : 700)										
Scour/Erosion		N	N							
Beavers (Y/N)	No									
Downstream End General Ration	ng	7	6							
		S	Structu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)	1									
Alignment			5	Sharp bend on outlet & inlet.						
Bank Stability			6	Shear rock face.						
HWM (m below Top of Culvert)				HWM not visible.						
Drift (Y/N) Yes				At inlet-photo						
Channel Bottom Degrading/Aggrading				Not visible.						
Beavers (Y/N) No										
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)	1								
Channel General Rating		5	5							

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Maintenance Recommendations											
Inspector Recomm	nendations		Year	Inspector Comments		Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION			2012	Remove debris at inlet.							
INSTALL CONCR	ETE/STEEL LINING										
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTOFF											
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION	OTHER ACTION										
OTHER ACTION											
OTHER ACTION					1						
Structural Condition Rating (Last/Now) (%)			55.6/77.8 Sufficiency Rating (Las (%)		low) (68.8/74.6	Est. Repl. Yr	2058	Maint. Re	qd. (Y/N)	Yes
Special Monitor riprap deterioration.						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 Shar		Shane	Shane Hall P			evious Assistant's Name					
Next Inspection Date 30-		30-Jul-2	30-Jul-2014 Pi			bus Inspection Date 22-Nov-2010					
Inspection Cycle (Default) (months) 21		21									
Comment											