Bridge Culvert Inspection													
Bridge File Number 78433 -1			133 -1 Bridge Culvert					уре		CUL1			
Year Built 1980		1980	1980				Lot No.			4			
Bridge or Town	Name	DUCHE	SS				Inspector Name		Tom Carey				
Located Over		EID - IRI	RIGATION C,	WATERC	RS-IC		Inspector Class BR CLS A						
Located On	ated Over EID - IRF ated On 544:02 C ter Body CI./Year 544:02 C igabil. Cl./Year		C1 2.747				Assistant Name						
Water Body Cl./	/Year						Assistant Class						
Navigabil. Cl./Y	ear						Inspection Date			15-Feb-2010			
Legal Land Loc	ation	SE SEC	C 18 TWP 20 RGE 14 W4M					ntry By		Kelsey Robert	s		
Longitude, Latit	ude	-111:55:	:55, 50:41:18					ntry Date	•	03-Mar-2010			
Road Authority Alberta T		Transportation (AIT)					Reviewer Name		Garry Roberts				
Contract Main. Area CMA23		3					Review Date		23-Feb-2010				
Clear Roadway/Skew 9.8 /							Dept. Reviewer Name		Lorenz Bohnert				
AADT/Year 400 / 20		/ 2008 (A)					Dept. Review Date		08-Mar-2010				
Road Classifica	ation	RCU-20	-209-110					Follow-Up By					
Detour Length ((km)	6											
Bridge Culvert Information													
Number of Culverts 1													
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре	Length			Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN	1	1829	1118		FP		22.6		68X13		ARCH	
Special Feature	es												
Special Feature	Special Features Comment												
					Uti	ilities (l	ocated	at)					
Utility Attachme	ents							ut)					
Telephone	South	ditch					Gas 40m north						
Power 1 wire x's 20 m W					Municipal								
Others	2 wire	re N. side.					Problem (Y/N) No						
Remarks													
Approach Road / Embankment													
					Last	Now	Explar	ation of	Condi	tion			
Horizontal Alignment				8 8			Farm ent 30m W						
Vertical Alignment				7	7	Hill 200)m east- s	slight					
Roadway Width (m)		9.800											
Embankment					N	N	Snow						
Sideslope (:1)		3.0										
(Height of Co	- , ver (m)	: 1.3)											
Guardrail (Y/N)			No										
Approach Roa	d / Emb	bankmen	t General Rat	ing	7	7							
						Upstre	am End						
Culvert Compo	onent				Last	Now	Explar	ation of	Condi	tion			
Direction					N		NORT	4					
End Treatment Others, None)	(Concre	ete, Steel	, NONE										
Headwall					Х	X							
Collar				X	Х								
Wingwalls					X	Х							
(Shape :)							1						
Cutoff Wall				X	Х								

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Upstream End									
Culvert Component		Last	Now	Explanation of Condition					
Bevel End		Х	X	(Water above top of pipe)					
Heaving (mm)									
Invert Above/Below Stream Bed	BELOW			(990120)					
Above/Below (mm)	200		1						
Scour Protection		N N		Snow covered					
(Туре :)				(Some 450mm rock)					
(Avg. Rock Size (mm) :)			1						
Scour/Erosion		N	N	snow covered					
Beavers (Y/N)	No								
Upstream End General Rating			N						
		Brid	lae Cu	Ivert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 1829	, Rise (mm): 1118, Type: FP)					
Barrel Last Accessible Date	20-Jan-1999								
Special Features									
Special Feature				Ends completley snowed in					
(Type:)									
Special Feature									
(Туре:)		1	-						
Roof		N	N	Snow					
Measured Rise (mm)									
Measured At Ring No.									
Sag (mm)	30								
Percent Sag									
Sidewall		N	N	(990120)					
Measured Span (mm)				Snow					
Measured At Ring No.									
Deflection (mm)	60								
Percent Deflection									
Floor		N	N	(ICE AND GRAVEL COVERED).					
Bulge (mm)									
Measured At Ring No.									
Abrasion (Y/N)									
Circumferential Seams		N	N	(990120)					
Separation (mm)	50								
Longitudinal Seams		X	Х						
Total No. of Cracked Rings									
Total No. of Rings with Two Cracked Seams									
Min. Remaining Steel Between Cracks (mm)									
Proper Lap (Y/N)									
Longitudinal Stagger (Y/N)									
			N						
Corrosion By Soil (V/N)			IN	(990120)					
Corrosion By Water (V/N)	Yes								
	7500			N					
Camber POS/ZEKU/NEG	ZERU								
Ponding (Y/N)	No								

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Bridge Inspection & Maintenance System (Web 2005)

		Brid	dge Cul	vert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	i <mark>n (mm</mark>): 1829	, Rise (mm): 1118, Type: FP)						
Fish Passage Adequacy		X	X							
Baffle		X	Х							
(Туре :)										
Waterway Adequacy			N	(Water above top of pipe						
Icing (Y/N)	No			Due to check structure not high flow) Feb. 21/07						
Silting (Y/N)	No									
Drift (Y/N) No										
Barrel General Rating		N N								
		D	ownstr	eam End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		S		SOUTH						
End Treatment (Concrete, Steel, Others, None)	NONE									
Headwall		X	Х							
Collar			X							
Wingwalls		X	Х							
(Shape :)										
Cutoff Wall		X	X							
Bevel End		Х	Х							
Heaving (mm)										
Invert Above/Below Stream Bed	BELOW			(990120)						
Above/Below (mm)	110									
Scour Protection		N	N	Snow						
(Туре:)										
(Avg. Rock Size (mm) :)										
Scour/Erosion			N	(Some 650 rock)						
Beavers (Y/N)	No									
Downstream End General Ratin	ng	7	N							
		S	Structur	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment			9							
Bank Stability			N	Snow						
HWM (m below Top of Culvert)										
Drift (Y/N)	No									
Channel Bottom Degrading/Aggrading										
Beavers (Y/N) No										
(Fish Compensation Measure 1 :	NONE)			4						
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		8	8							

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/CUTC												
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No (%)	ow)	55.6/55.	.6 Sufficiency Rating (Last/N (%)	low) 7	73.8/70.1	Est. Repl. Yr 2020		Maint. Reqd. (Y/N)		No		
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 Tim D		avies		Previous /	Assistant's Name							
Next Inspection Date 15-M		/-2013		Previous Inspection Date 21-Feb-2007								
Inspection Cycle (Default) (months) 39												
Comment												