Bridge Culvert Inspection														
Bridge File Num	Number 80541 -1 Bridge Culvert						Form Type			CUL1				
Year Built		1983					Lot No			2				
Bridge or Town	Name	HIGH L	EVEL				Inspec	tor Name		Brian Pientsch				
Located Over		TRIBU	TARY TO BUSH	HE RIVER	R, 8.10	.23.6.2,	Inspector Class		BR CLS A					
Located On			C1 51.417				Assista	ant Name		Lisbeth Medin	a			
Water Body Cl./	Voor	36.00 (51 51.417					ant Class						
Navigabil. Cl./Ye							Inspec	tion Date		25-May-2010				
Legal Land Loca		SE SE(C 17 TWP 110 F	DGE 21 V	V5N/		Data E	intry By		Theresa Lacus	sta			
				KGE ZI V	VOIVI		Data E	ntry Date		28-Jun-2010				
			3:03, 58:33:04 Transportation		Reviewer Name			Arnold Assenheimer						
Road Authority Alberta Contract Main. Area CMA01			·	(AII)			Review Date			23-Jun-2010				
			<u> </u>				Dept. Reviewer Name			· ·	n			
Clear Roadway/Skew 8.4 / AADT/Year 630 / 20			000 (A)				Dept. Review Date			10-Sep-2010				
Road Classificat	tion	RAU-2	2009 (A) 209-110				Follow-Up By							
Detour Length (I	km)	999												
	Bridge Culvert Information													
Number of Culve			1											
Pipe #	Barrel		Span	Rise (or I		Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN		-	1800		MP		35		125X26	2.8	ROUND		
Special Feature						<u> </u>								
	Special Features Comment													
L Ivilia Ava I					Uti	ilities (L	ocated.	at)						
Utility Attachments														
Telephone	·						Gas							
Power							Municipal Problem (Y/N) No							
Others								m (Y/N)	No					
Remarks Approach Boad / Embankment														
	Approach Road / Embankment Last Now Explanation of Condition													
Horizontal Alignment				8	8	xpiai		<u>Jona.</u>						
Vertical Alignment				8	8									
Roadway Width (m)		8.400												
				7	7									
Embankment	.1)		3.0	7	7									
Sideslope (:1) 3.0														
(Height of Cover(m) : 3) Guardrail (Y/N) No														
Guardiali (1714)														
Approach Road / Embankment General Rating			8	8										
						Upstre	am Enc							
•			Last	Now	Explanation of Condition									
			N		Water 0.9m deep.									
End Treatment (Concrete, Steel, Others, None)														
Headwall			X	X										
Collar			Х	Х										
Wingwalls				X	Х									
(Shape:)														
Cutoff Wall				X	X	(Rated	l above wa	aterline	e. 2003/05/15)					

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Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End			6	Dent 2/7 o'clock.						
Heaving (mm)	90									
Invert Above/Below Stream Bed	BELOW			End of bevel under water.						
Above/Below (mm)	200		_							
Scour Protection			5							
(Type: NATURAL)										
(Avg. Rock Size(mm):)										
Scour/Erosion			5							
Beavers (Y/N)	No									
Upstream End General Rating		6	5							
		Brid	dge Cu	Ilvert Barrel						
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	ı):	, Rise (mm): 1800, Type: MP)						
Barrel Last Accessible Date	07-Dec-1999			(Too much water, looks good as viewed from the ends.						
				Water 0.9 to 1.1m deep.						
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type:)		1								
Roof		N	N	_						
Measured Rise (mm)				_						
Measured At Ring No.										
Sag (mm)	120									
Percent Sag 7										
Sidewall		N	N							
Measured Span (mm)										
Measured At Ring No.										
Deflection (mm)	120									
Percent Deflection										
Floor		N	N	_						
Bulge (mm)										
Measured At Ring No.										
Abrasion (Y/N)										
Circumferential Seams		N	N							
Separation (mm) 65										
Longitudinal Seams		X	X							
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)										
Coating		N	4	(Rusty & pitted above waterline. Viewed from ends.						
Corrosion By Soil (Y/N)				viewed itotti etids.						
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	NEG									
Ponding (Y/N)	Yes			(Ponding 1.2m 2005/03/17)						

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		Brio		Ivert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm) :	, Rise (mm): 1800, Type: MP)				
Fish Passage Adequacy		7	7					
Baffle		Х	X					
(Type:)								
Waterway Adequacy		7	7					
Icing (Y/N)	No							
Silting (Y/N)	Yes							
Drift (Y/N)	No							
Barrel General Rating		5	N	GR 5-07-Dec-1999				
g				G.R carried forward.				
		D	ownstr	ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction	I	S						
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		X	Х	Water below crown 700mm.				
Collar		Х	X					
Wingwalls		Х	X					
(Shape:)								
Cutoff Wall		X	X					
Bevel End			5					
Heaving (mm)	50							
Invert Above/Below Stream Bed				End of bevel under water.				
Above/Below (mm)	0							
Scour Protection			5					
(Type: NATURAL)								
(Avg. Rock Size(mm):)								
Scour/Erosion		N	5					
Beavers (Y/N)	No							
Downstream End General Ratio	ng	5	5					
			Y					
			Now	re Usage Explanation of Condition				
Channel (U/S and D/S)		Last	INOW	Explanation of Condition				
Alignment			7					
Bank Stability			7					
HWM (m below Top of Culvert)				HWM not visible.				
Drift (Y/N) No								
Channel Bottom NONE Degrading/Aggrading				Stable B/D 25m u/s of invert.				
Beavers (Y/N) Yes								
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		7	7					

				Maint	tenance Recommen	dations					
Inspector Recommendations			ear I	nspector Comments		Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCR	RETE/STEEL LINING	i									
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTOFF		OFF									
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)			5.6/55.6	Sufficiency Ra (%)	ting (Last/Now)	60.6/59.8	Est. Repl. Yr	2033	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection	comments for This barrel has not been accessible for 4 inspections, as per BIM manual, consider					Department Comments					
	Since pipe is only 2 recommended.	7 yrs old a	ınd looks	good from ends, a level	2 is not						
Maintenance Reviewed By						Date		E	Estimated Tota	I 0	
Proposed Long-T	erm Strategy										
On 3-Year Progra	am (Y/N)										
Proposed Action											
Previous Inspector's Name Brian			Brian Pientsch Previous				Assistant's Name Tim Miskiman				
Next Inspection D	ate	25-Feb-20	012		Previous	Inspection Date 28-Nov-2006					
•	(Default) (months)	21									
Comment											