					Brida	e Culve	ert Insn	ection						
Bridge File Nu	mber						ge Culvert Inspection Form Type			CUL1				
Year Built 1988							Lot No			4				
Bridge or Tow	n Name		DIAMON					Inspector Name		Jon Davies				
Located Over			TARY TO SHEE	P RIVER	 }.		<u> </u>	Inspector Class		BR CLS B				
		2.13.27	.2.11, WATER	CRS-ST	,		Assistant Name							
Located On		7:08 C1	0.306				Assistant Class							
Water Body C	l./Year						Inspection Date		25-Oct-2011					
Navigabil. Cl./Year						Data Entry By		Alyssa Boynton						
Legal Land Lo	cation	SW SE	16 TMD 20 DCE 2 M/5M				Data Entry Date		25-Nov-2011					
, , , , , , , , , , , , , , , , , , ,		3:42, 50:41:18				Reviewer Name		Garry Roberts						
Road Authority Alberta T Contract Main. Area CMA27		Transportation (AIT)					Review Date		08-Nov-2011					
Contract Main. Area CMA27		·		Dept. Reviewer Name										
		deg. (RHF)				Dept. Review Date		01-Dec-2011						
AADT/Year		5,450 /	/ 2010 (A)				Follow-Up By		01 200 2011					
Road Classific	ation	RLU-20					- Ollow-op by							
Detour Length	(km)	6												
Bridge Culve	rt Inform	ation												
Number of Cu	lverts		1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре	Length		Corr. Profile	PI./Slab Thickness	Shape			
1	MAIN		-	2134		SP		33.5		152X51	3.0	ROUND		
Special Featur	res													
Special Featur	res Comi	ment												
					Ut	ilities (L	ocated	at)						
Utility Attachm							_							
Telephone S. Row							Gas		S. Ro	W				
Power	N. Ro							Municipal Problem (Y/N) No						
Others TV cable S. row. Street light N, S row.							Proble	m (Y/N) I	No					
Remarks				Δ.	nn 100	ah Daar	d / Emplo	ankmant						
				A			d / Embankment Explanation of Condition							
Horizontal Alignment					7	7	50 km/hr speed limit.							
Vertical Alignment				6	6	HILL TO EAST								
Roadway Width (m) 13.400														
Embankment					7	7	CONCRETE SLAB @ S EMBANKMENT							
Sideslope (_	·1)		2.0							near bottom.	.1 1 1			
(Height of Co		17)	2.0											
Guardrail (Y/N		. 1.7)	No				Handr	Handrail @ S sidewalk						
,										•				
Approach Ro	ad / Eml	bankme	nt General Rat	ing	6	6								
						Upstre	am End							
Culvert Comp	onent				Last	Now		nation of C	ondi	tion				
Direction						South end. Concrete headwall joins sidewalk to crown.								
End Treatmen Others, None)	t (Concre	ete, Stee	el, CONCRETE				Concre	ete neauwa	an jon	is sidewaik to c	TOWIT.			
Headwall					6	6	Construction joint above pipe							
Collar					Х	Х								
Wingwalls			X	X										
(Shape:)														
Cutoff Wall			Х	Х										

71130 -1 Bridge Culvert

			Unstre	am End				
Culvert Component		Last	Now	Explanation of Condition				
Bevel End		7	6	Explanation of Condition				
	50	/	0					
Heaving (mm) Invert Above/Below Stream Bed	50			At stream bed.				
	0			At stream bed.				
Above/Below (mm)	0	7		200				
Scour Protection		7	6	300 mm rock in eroded areas from past high water.				
(Type: RIP RAP)								
(Avg. Rock Size(mm) : 300)			Ι.					
Scour/Erosion		7	6					
Beavers (Y/N)	No							
Upstream End General Rating		7	6					
		Brid	dge Cu	Ivert Barrel				
Culvert Component			Now					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S	Span (mm	ı):	, Rise (mm): 2134, Type: SP)				
Barrel Last Accessible Date	25-Oct-2011							
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		8	8					
Measured Rise (mm)	2108							
Measured At Ring No.	6							
Sag (mm)	26							
Percent Sag	1							
Sidewall	1	0		INWARD				
	0400	8	8	INVARD				
Measured Span (mm)	2120							
Measured At Ring No.	6							
Deflection (mm)	14							
Percent Deflection	1							
Floor	I	7	7					
Bulge (mm)	0							
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		8	8					
Separation (mm)	0							
Longitudinal Seams		8	8					
Total No. of Cracked Rings	0							
Total No. of Rings with Two Cracked Seams								
Min. Remaining Steel Between Cracks (mm)				1N stagger				
Proper Lap (Y/N)	Yes							
Longitudinal Stagger (Y/N)	Yes							
Coating		7	6					
Corrosion By Soil (Y/N)	No		U					
Corrosion By Water (Y/N)	Yes			Superficial corrosion at floor.				
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							

Bridge Culvert Barrel										
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 2134, Type: SP)						
Fish Passage Adequacy		5	5							
Baffle			Х							
(Type:)										
Waterway Adequacy		7	7							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N) No										
Barrel General Rating			8							
		ream End								
Culvert Component		Last	Now	Explanation of Condition						
Direction				North end.						
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall			X							
Collar			Х							
Wingwalls		Х	X							
(Shape:)										
Cutoff Wall			X							
Bevel End			7							
Heaving (mm)	0									
Invert Above/Below Stream Bed BELOW										
Above/Below (mm) 300										
Scour Protection			7							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		7	7							
Beavers (Y/N)	No									
Downstream End General Ratin	ng	7	7							
		S	tructu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment			5	Bends 50 deg at downstream end. MANMADE CHANNEL U/S.						
Bank Stability			7							
HWM (m below Top of Culvert)				Hwm not visible.						
Drift (Y/N)										
Channel Bottom DEGRADING Degrading/Aggrading										
Beavers (Y/N) No										
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating			5							

			Mainte	enance Recomme	dations					
Inspector Recommendations	Yea	ar Insp	ector Comments		Department Com	nments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING										
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUT	OFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	low) 88.9	9/88.9	Sufficiency Rat (%)	ing (Last/Now)	79.0/77.9	Est. Repl. Yr	2033	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	Estimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Garry Robe	Garry Roberts Previo				Assistant's Name				
Next Inspection Date	25-Jul-201	3		Previou	s Inspection Date	07-Oct-2009				
Inspection Cycle (Default) (months)	21									
Comment										