					Brida	e Culve	ert Insne	ection				
Bridge File Nur					Billag	e Cuive	Inspection Form Type		CULM			
Year Built	IIDCI	1975					Lot No.			2		
Bridge or Town Name DAPP							Inspector Name		Todd Warshav	veki		
Located Over 2ND ORDER TRIBUTARY TO PE				EMDI	NΙΛ	Inspector Class		BR CLS B	VSKI			
		RIVER,	8.11.84.13.1, V				· ·	Assistant Name		BK CL3 B		
Located On 661:06 C1 14.155						Assistant Class						
Water Body Cl.							Inspection Date		27-May-2010			
Navigabil. Cl./Y	'ear						Data Entry By		Theresa Lacusta			
Legal Land Loc	cation	NE SEC	2 TWP 62 RG	E 27 W4N	И			ntry Date		18-Jun-2010		
Longitude, Latitude -113:56:03, 54:20:29								er Name		Arnold Assenheimer		
Road Authority Alberta Transportation ((AIT)			Review	Date		09-Jun-2010		
Contract Main. Area CMA10								Dept. Reviewer Name				
Clear Roadway	//Skew	8.5 / 23	deg. (RHF)			Dept. Review Date			21-Jun-2010			
AADT/Year		360 / 20	009 (A)				Follow-					
Road Classifica	ation	RCU-20	9-110					OP -)				
Detour Length	(km)	6										
Bridge Culvert	t Inform	ation										
Number of Culv	verts		2									
Pipe #	Barrel		Span	Rise (or [Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN		-	1800		MP		29.3		68X13	2.8	ROUND
2	MAIN		-	1000		MP		29.3		68X13	2.8	ROUND
Special Feature	es		VERT STEEL S	STRUTS								
Special Feature	es Comi	ment	Struts on 1800	pipe.								
•												
					Uti	ilities (L	Located	at)				
Utility Attachme									I			
Telephone	North	r/w.					Gas					
Power						Municip						
Others	-						Problen	n (Y/N)	No			
Remarks												
					-		d / Emba					
					Last	Now		ation of				
Horizontal Aligr					7	7	Access	road Eas	st & W	est.		
Vertical Alignm			T		8	8						
Roadway Width	n (m)		8.500									
Embankment					6	6	4.0					
Sideslope (_:1)		3.0				1.2m over 1800 3.0m over 1000					
(Height of Co	ver(m)	1.5)					1.5					
Guardrail (Y/N)			No									
Approach Roa	nd / Emi	oankmei	nt General Rat	ing	8	8						
						Upstre	am End					
Culvert Compo	onent				Last		Explana	ation of	Condi	tion		
(Pipe # : 1, Sp		e: Prima	ry Span)									
Direction	, .		/		s							
End Treatment Others, None)	(Concre	ete, Stee	I, STEEL									
Headwall					Х	Х						
	Collar					+						
Collar					Х	X						
Collar Wingwalls					X	X						

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Span Type: Primary	/ Span)			
Cutoff Wall		Х	X	
Bevel End		N	6	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		N	6	
(Type: RIP RAP)				
(Avg. Rock Size(mm) : 150)				
Scour/Erosion		N	6	
Beavers (Y/N)	No			
Upstream End General Rating		7	6	
		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	ı):	, Rise (mm): 1800, Type: MP)
Barrel Last Accessible Date	27-May-2010			
Special Features				
Special Feature		7	7	90 x 90 steel struts installed.
(Type : VERT STEEL STRUTS)				
Special Feature				
(Type:)				
Roof		5	5	
Measured Rise (mm)	1696			@ cl
Measured At Ring No.				
Sag (mm)	104			
Percent Sag	6			
Sidewall		4	4	
Measured Span (mm)	1954			@ c/l.
Measured At Ring No.				
Deflection (mm)	154			
Percent Deflection	9			
Floor		N	N	Covered in water and mud.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		6	6	North coupler.
Separation (mm) 120				
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		6	6	
Corrosion By Soil (Y/N)				
Corrosion By Water (V/N)	Vec			

		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	ı):	, Rise (mm): 1800, Type: MP)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		Х	X	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		4	4	
	1	D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)	1		
Direction	I	N		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	X	
Wingwalls		X	X	
(Shape:)		1		
Cutoff Wall		Х	X	
Bevel End	I	N	6	
Heaving (mm)	100			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300		1 -	
Scour Protection		N	6	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 150)				
Scour/Erosion	I	N	6	
Beavers (Y/N)	No		_	
Downstream End General Ratio	ng	6	6	
			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Direction		S		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	Х	
Wingwalls		X	X	
(Shape:)				
Cutoff Wall		X	X	

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Bevel End		N	6	Filled with debris/soil,
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	700			
Scour Protection		N	6	
(Type: RIP RAP)				
(Avg. Rock Size(mm): 150)				
Scour/Erosion		N	6	
Beavers (Y/N)	No			
Upstream End General Rating		7	6	
		Bri	dge Cu	livert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN. §			, Rise (mm): 1000, Type: MP)
Barrel Last Accessible Date	,			Viewed from ends, slope and condition look ok.
Consist Factures				
Special Feature			1	
Special Feature				
(Type:)			1	_
Special Feature		1		
(Type:)				
Roof		N	N	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		N	N	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection			I	
Floor		N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)	No		I	
Circumferential Seams		N	N	
Separation (mm)		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
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	N	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG				

		Brid	dae Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S			, Rise (mm): 1000, Type: MP)
Ponding (Y/N)			ŕ	
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		N	5	
Icing (Y/N)	No			
Silting (Y/N)	Yes			
Drift (Y/N)	Yes			
Barrel General Rating		N	N	
			ownot:	room End
Culvert Component				Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Snan)	Lasi	INOW	Explanation of Condition
	ary Spari)	N		
Direction	OTEEL	IN		
End Treatment (Concrete, Steel, Others, None)	SIEEL			
Headwall		X	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		N	6	75% under water
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300		_	
Scour Protection		N	6	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 150)				
Scour/Erosion		N	6	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	6	
				re Usage
Channel (U/S and D/S)		Last	Now	Explanation of Condition
Alignment		7	7	
Bank Stability		7	7	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	Yes			
Channel Bottom Degrading/Aggrading	AGGRADING			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :				
Channel General Rating		7	7	

		Maintenance	Recommendations				
Inspector Recommendations	Year	Inspector Comments	Department C	omments	Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS		·			<u> </u>		
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION	2010	Remove debris from inlet.					
INSTALL CONCRETE/STEEL LINING	G						
INSTALL STRUTS							
INSTALL CONCRETE COLLAR/CUT	OFF						
REPAIR SEAMS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/I) (%)	Now) 44.4/44	Sufficiency Rating (La (%)	st/Now) 61.1/53.9	Est. Repl. Yr 202	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated Total	0	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Dave Lam		Previous Assistant's Nam	ie			
Next Inspection Date	27-Aug-2013		Previous Inspection Date	Previous Inspection Date 27-Feb-2007			
Inspection Cycle (Default) (months)	39						
Comment							