Pridge File Number	70002	1 Pridge Culve	rt	Bridg	e Cuive	Eorm T					
Vear Built	1074	- I blidge Culve	11					2			
Bridge or Town Name						Inspector Name		Z Brian Pientsch			
Located Over				/ER,		Inspector Class		BR CLS A			
	8.10.18	3.22.4.2, WATE	RCRS-ST			Assistant Name		Clem Guenette			
Located On	88:06 0	C1 0.154				Assistant Class					
Water Body Cl./Year						Inspection Date		11-Jun-2012			
Navigabil. Cl./Year						Data Entry By		Theresa Lacusta			
Legal Land Location	NW SEC 33 TWP 81 RGE 9 W5					Data Entry Date 16		16-Oct-2012	16-Oct-2012		
Longitude, Latitude	-115:21			Reviewer Name		Eric Carcoux					
Road Authority	Alberta Transportation (AIT)					Review Date		08-Oct-2012			
Contract Main. Area	CMA02				Dept. Reviewer Name		David Morrison				
Clear Roadway/Skew	/ay/Skew 12.6 / 8 deg. (RHF)			Dept. Review Date		18-Dec-2012					
AADT/Year	AADT/Year 760 / 2011 (A)				Follow-Up By						
Road Classification	RAU-2	10-110									
Detour Length (km)	450										
Bridge Culvert Inform	nation	4									
Pipe # Barrol		1 Span	Rico (or		Tupo		Longth		Corr Brofilo	DI /Slab	Shapa
Fipe # Dallel		Span	Rise (OI	Dia.)	Type		Lengui		Con. Fiolile	Thickness	Shape
1 MAIN		1724	1901		SPE		35.1		152X51	3.0	ELLIPSE
Special Features											
Special Features Com	ment										
				114		000100					
Litility Attachments				υι	incies (L		al)				
Telephone 10M						Gas					
Power						Munici	nal				
Others					Prot		blem (Y/N) No				
Remarks											
			A	pproa	ch Road	d / Emba	ankment				
				Last	Now	Explanation of Condition					
Horizontal Alignment				6	6	Superelevated on gradual curve with					
Vertical Alignment				8 8		SH 750 100 m south with turning lanes starting over pipe. No					
						passing	g.				
Roadway Width (m)		10.300									
Embankment				6	6						
Sideslope (:1)		4.0			-						
(Height of Cover(m)	: 1)					1					
Guardrail (Y/N)		No									
· · ·											
Approach Road / Em	bankme	ent General Rat	ing	6	6						
					Upstre	am End					
Culvert Component				Last	Now	Explan	ation of	Condit	tion		
Direction				Е							
End Treatment (Concr Others, None)	ete, Stee	el, STEEL									
Headwall			X	X							
Collar			V	V							
Collar					X						
Collar Wingwalls				X	X						

Alberta Transportation

	1		Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		Х	X	
Powel End		4	2	Coverel hands and tages from heaver dom removal
Bever End	600	4	3	Bevel heaving approx 600mm.
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300	-	-	
		5	5	
				-
(Avg. Rock Size(mm) :)		-	-	
Scour/Erosion		5	5	
Beavers (Y/N)	No			
			-	
Upstream End General Rating		4	3	
		Brid	dae Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 1724	, Rise (mm): 1901, Type: SPE)
Barrel Last Accessible Date	11-Jun-2012			
Special Features				
Special Feature				
(Type :)		1		-
Special Feature				
(Туре :)			_	
Roof		7	7	-
Measured Rise (mm)	1827			-
Measured At Ring No.	5			-
Sag (mm)	74			-
Percent Sag	4			
Sidewall		6	6	
Measured Span (mm)	1766			
Measured At Ring No.	5			
Deflection (mm)	42			
Percent Deflection	2			
Floor		Ν	Ν	Water covered, 300mm silt/rock on floor.
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		N	7	
Separation (mm)	0			
Longitudinal Seams		N	7	1N Stagger
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			
Coating		4	4	Pitting & flaking on sidewall.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Bric	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 1724	, Rise (mm): 1901, Type: SPE)
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle			Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		N	6	
		D	ownstr	eam End
Culvert Component		Last Now		Explanation of Condition
Direction	1	W		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	X	
Wingwalls		X	Х	
(Shape :)			-	
Cutoff Wall		Х	X	
Bevel End		5	5	
Heaving (mm)	100			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	300			
Scour Protection		4	5	Some riprap placed to repair erosion .
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 400)				
Scour/Erosion		4	5	
Beavers (Y/N)	No			
Downstream End General Ration	ng	4	5	
		e Last	Now	e Usage Explanation of Condition
Channel (U/S and D/S)		Lasi	INOW	
Alignment		7	7	Muskeg u/s & d/s.
Bank Stability		7	7	
HWM (m below Top of Culvert)	1.1			HWM not visible.
Drift (Y/N)	No			(Existing water level 1.1m deep01-10-20
Channel Bottom Degrading/Aggrading	NONE			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

Structure Usage Last Now Explanation of Condition Alberta Transportation

		Maintenance Recor	mmendations				
Inspector Recommendations	Year	Inspector 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		Repair upstream bevel.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/N	ow) 55.6/66	5.7 Sufficiency Rating (Last/Now	v) 57.8/63.1	Est. Repl. Yr 202	1 Maint. Red	qd. (Y/N)	Yes
(70)		(70)					
Special Comments for Next Inspection		(70)	Department Comments				
Special Comments for Next Inspection Maintenance Reviewed By		(70)	Department Comments Date		Estimated Total	0	
Special Comments for Next Inspection Monitor bevel u/s. Monitor corrosion. Maintenance Reviewed By Proposed Long-Term Strategy			Department Comments Date		Estimated Total	0	
Special Comments for Next Inspection Monitor bevel u/s. Monitor corrosion. Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N)			Department Comments Date		Estimated Total	0	
Special Comments for Next Inspection Monitor bevel u/s. Monitor corrosion. Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action			Department Comments Date		Estimated Total	0	
(%) Special Comments for Next Inspection Monitor bevel u/s. Monitor corrosion. Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name	Brian Pientsch	(70)	Department Comments Date evious Assistant's Name	Lisbeth Medina	Estimated Total	0	
Special Comments for Next Inspection Monitor bevel u/s. Monitor corrosion. Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Next Inspection Date	Brian Pientsch	(70)	evious Assistant's Name	Lisbeth Medina 04-Aug-2010	Estimated Total	0	
Special Comments for Next Inspection Monitor bevel u/s. Monitor corrosion. Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Next Inspection Date Inspection Cycle (Default) (months)	Brian Pientsch 11-Mar-2014 21	(73)	evious Assistant's Name	Lisbeth Medina 04-Aug-2010	Estimated Total		
(76) Special Comments for Next Inspection Monitor bevel u/s. Monitor corrosion. Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Next Inspection Date Inspection Cycle (Default) (months) Comment	Brian Pientsch 11-Mar-2014 21	(73)	evious Assistant's Name evious Inspection Date	Lisbeth Medina 04-Aug-2010	Estimated Total	0	