					Bride	e Culv	ert Insp	ection				
Bridge File Number 84526 -1 Bridge Culvert				Ding	c curv	Ivert Inspection Form Type			CUL1			
Year Built		1993					Lot No	•••		2		
Bridge or Town	OOD				Inspector Name		Jason Rusu					
Located Over			ARY TO BELLY RIVER, 2.12.22.11,				Inspector Class		BR CLS A			
WATERO			CRS-ST		,	,	Assistant Name					
Located On		505:02 0	C1 42.092				Assistant Class					
Water Body Cl.							Inspection Date		10-Jun-2012			
Navigabil. Cl./Y					-		Data E	ntry By		Anne Roberts		
Legal Land Loc			C 6 TWP 5 RG	= 25 W4N	Л		Data Entry Date		23-Jul-2012			
Longitude, Lati			46, 49:20:56	( • • • •			Reviewer Name		Garry Roberts	;		
			Transportation	(AIT)			Review Date		10-Jul-2012			
Contract Main.		CMA25					Dept. Reviewer Name		Tim Davies			
Clear Roadway/Skew 10.2 / -40			- · · ·				Dept. Review Date		30-Jul-2012			
AADT/Year Road Classifica	otion	1,220 / 2 RCU-20					Follow	-Up By				
			9-110				-					
Detour Length Bridge Culver	· · · · · · · · · · · · · · · · · · ·	6										
Number of Culver			1									
Pipe #	Barrel		Span	Rise (or Dia.)		Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN	-		1600		MP		36		125X26		ROUND
Special Feature	es											
Special Feature	es Comi	ment										
					Uti	ilities (l	Located	at)				
Utility Attachme		0:-1-					0					
Telephone							Gas	l				
Power Othera	2 Wire North Side					Munici	pai m (Y/N)	No				
Others Supernet South ROW Remarks							FIUDIE	III (171 <b>N</b> )	INU			
Remarks				Δ	nnroad	ch Roa	d / Emb	ankment				
								ation of		tion		
Horizontal Alignment				8	8							
Vertical Alignment				8	8							
Roadway Width (m)			10.000									
Embankment				3	3	2m x 2m x 10m long ei			rosion gully at I	NE- also erodir	ng d/s bevel.	
Sideslope (:1)		3.0			NE O.TLM conveys large flow from east incline of 2 km.							
(Height of Co	over(m) :	1.8)										
Guardrail (Y/N)	)		Yes									
Approach Roa	ad / Eml	bankmen	t General Rat	ing	8	8						
						Upstre	am End					
Culvert Component			Last	Now		ation of	Condi	tion				
Direction						South						
End Treatment Others, None)	(Concre	ete, Steel	, STEEL									
Headwall			X	Х								
Collar			X	Х								
Wingwalls			X	Х								
vvingwalls	(Shape : )											

Alberta Transportation

	Upstream End									
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		7	7							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	200									
Scour Protection		8	8							
(Type : <b>RIP RAP</b> )										
(Avg. Rock Size(mm) : 400)		,								
Scour/Erosion		8	8							
Beavers (Y/N)	No									
Upstream End General Rating			7							
		Bric	lge Cu	lvert Barrel						
Culvert Component				Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 1600, Type: MP)						
Barrel Last Accessible Date	10-Jun-2012									
Special Features										
Special Feature										
(Type : )										
Special Feature										
(Туре : )										
Roof		8	8							
Measured Rise (mm)	1610									
Measured At Ring No.	3									
Sag (mm)	10									
Percent Sag	0									
Sidewall		8	8	Inward						
Measured Span (mm)	1580									
Measured At Ring No.	3									
Deflection (mm)	20									
Percent Deflection	1									
Floor		7	7							
Bulge (mm)	0									
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		8	8	sealed with spray foam						
Separation (mm)	20									
Longitudinal Seams	1	X	X							
Total No. of Cracked Rings	0									
Total No. of Rings with Two Cracked Seams	0									
Min. Remaining Steel Between Cracks (mm)	0									
Proper Lap (Y/N)										
Longitudinal Stagger (Y/N)										
Coating		5	5	moderate corrosion at floor						
Corrosion By Soil (Y/N)	No									
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

84526 -1 Bridge Culvert

		Bric	dge Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	in (mm	):	, Rise (mm): 1600, Type: MP)
Fish Passage Adequacy			3	Hanging bevel at d/s
Baffle			Х	
(Type : )		X		
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		8	8	
-				
				ream End
Culvert Component		Last	Now	Explanation of Condition
Direction	OTEEL			North
End Treatment (Concrete, Steel, Others, None)	SIEEL			
Headwall	1	Х	X	
Collar			Х	
Wingwalls			Х	
(Shape : )				
Cutoff Wall			X	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		3 3		1m deep x 5 x 5 scour hole. also erosion at side of bevel from ditch
(Type : <b>RIP RAP</b> )				drainage
(Avg. Rock Size(mm) : 200)		1	1	
Scour/Erosion		3	3	
Beavers (Y/N)	No			
Downstream End General Ration	Downstream End General Rating			
		S	structu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		5	5	Turns 90deg upstream
Bank Stability			4	d/s banks eroded
HWM (m below Top of Culvert)				HWM not visible
Drift (Y/N) No				
Channel Bottom DEGRADING Degrading/Aggrading				
Beavers (Y/N) No				
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		4	4	

Alberta Transportation

		Maintenance Recomn	nendations					
Inspector Recommendations	Year	Inspector Comments	Department Comme	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS								
PLACE ADDITIONAL RIP RAP	2012	Approx 20m^3 cl.2 at d/s						
REMOVE DRIFT ACCUMULATION								
INSTALL CONCRETE/STEEL LINING	i							
INSTALL STRUTS								
INSTALL CONCRETE COLLAR/CUTC	DFF							
REPAIR SEAMS								
OTHER ACTION	2012	Repair ditch erosion NE- 15m ^3 Cl.1						
OTHER ACTION								
OTHER ACTION							_	
OTHER ACTION								
Structural Condition Rating (Last/No (%)	ow) 88.9/88	.9 Sufficiency Rating (Last/Now) (%)	68.4/67.2 E	Est. Repl. Yr 2036	Maint. Re	qd. (Y/N)	Yes	
Special Comments for Next Inspection			Department Comments					
Maintenance Reviewed By			Date		Estimated Tota	0		
Proposed Long-Term Strategy								
On 3-Year Program (Y/N)								
Proposed Action								
Previous Inspector's Name	Garry Roberts	Previ	ous Assistant's Name	Assistant's Name				
Next Inspection Date	10-Sep-2015	Previ	ous Inspection Date	Is Inspection Date 19-Jun-2009				
Inspection Cycle (Default) (months)	39		•					