Bridge Culvert Inspection													
Bridge File Number 73528 -1 Bridge Culvert						Form Type			CULM				
Year Built		1985					Lot No.		4	4			
Bridge or Town	PRINGS				Inspect	Inspector Name		Jason Rusu					
Located Over					Inspector Class		В	BR CLS A					
Located On					Assistant Name								
Water Body CI./					Assistant Class								
Navigabil. CI./Ye	ear						Inspection Date		0	09-Dec-2011			
Legal Land Loca	27 TWP 11 RGE 20 W4M				Data Er	Data Entry By		Anne Roberts					
Longitude, Latit	42, 49:56:40				Data Er	ntry Date	2	20-Jan-2012					
Road Authority Alberta Tra			Fransportation (AIT)				Review	Reviewer Name		Garry Roberts			
Contract Main. Area CMA25			F				Review Date		2	26-Dec-2011			
Clear Roadway/Skew 11 /					Dept. Reviewer Name		me T	im Davies					
AADT/Year		830 / 201	0 (A)				Dept. R	Dept. Review Date		3-Jan-2012			
Road Classifica	tion	RAU-211	.8-110				Follow-	Uр Ву					
Detour Length (km)	3											
Bridge Culvert	Inform	ation											
Number of Culv	erts	2											
Pipe #	Barrel	S	pan	Rise (or I	Dia.)	Туре		Length	C	orr. Profile	PI./Slab Thickness	Shape	
1	MAIN	-		1600		MP		36	6	8X13	3.5	ROUND	
2	MAIN	-		1600		MP	36		6	8X13	3.5	ROUND	
Special Feature	S												
Special Feature	s Comr	ment											
					114			-4)					
Litility Attachmo	nto				Ut	lindes (L	_ocated	at)					
Utility Attachments Telephone South ditch							Gas						
Telephone Power	South	ulteri				Municip	al						
Others	Super	net North	Row				Problen		<u>`</u>				
Others Supernet North Row Remarks						TIODICI		,					
Romanio				Ar	oproad	ch Road	d / Emba	nkment					
							Explanation of Condition						
Horizontal Alignment				7	7	Intersection 200m East							
Vertical Alignme	ent				8	8	1						
Roadway Width	(m)		11.000	11.000									
Embankment			1		8	8							
Sideslope (:1)		3.0			-							
(Height of Cov		1.2)											
Guardrail (Y/N)		/	No										
Approach Road	d / Emk	pankment	General Rat	ing	7	7							
						Unetre	 						
Culvert Compo	nont				Last		am End	ation of Co	nditio	n			
		e: Primary	(Span)		Lasi	140 W	слріан		nantio				
(Pipe # : 1, Span Type: Primary Span) Direction W North end.													
	End Treatment (Concrete, Steel, NONE												
Headwall					Х	Х							
Collar					Х	X							
Wingwalls				Х	X								
(Shape :)													

Culvert Component		Leat		am And
Culvert Component (Pipe # : 1, Span Type: Primary	(Spop)	Last	NOW	Explanation of Condition
	(Span)	V	V	
Cutoff Wall		X	X	
Bevel End		X	Х	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	500			
Scour Protection		7	N	Snow covered
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 150)				
Scour/Erosion		7	N	
Beavers (Y/N)	No			
Unotroom End Conoral Poting		7	N	
Upstream End General Rating		1	N	
				lvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca		Span (mm	ı):	, Rise (mm): 1600, Type: MP)
Barrel Last Accessible Date	09-Dec-2011			West culvert.
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Туре :)				
Roof		N	7	
Measured Rise (mm)	1600			
Measured At Ring No.	3			
Sag (mm)	0			_
Percent Sag			_	
Sidewall		N	7	
Measured Span (mm)	1600			_
Measured At Ring No.	3			_
Deflection (mm)	40			_
Percent Deflection	2		_	
Floor		N	6	
Bulge (mm)	0			
Measured At Ring No.				_
Abrasion (Y/N)	No			
Circumferential Seams	1	N	6	Caulked
Separation (mm)	30			
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	6	
Corrosion By Soil (Y/N)	No			Minor superficial correction @ lower
Corrosion By Water (Y/N)	Yes			Minor superficial corrosion @ lower haunch

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Brid	dae Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S			, Rise (mm): 1600, Type: MP)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	X	
Baffle		X	Х	
(Туре :)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		N	7	
		D	ownstr	eam End
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)			
Direction		E		West culvert, south end.
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		X	X	
Collar			Х	
Wingwalls		X	Х	
(Shape:)				
Cutoff Wall		X	X	
Bevel End		X	Х	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	500			
Scour Protection		7	5	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		7	5	
Beavers (Y/N)	No			
Downstream End General Rati	ng	7	5	
			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Direction		W		East culvert - north end.
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		X	X	
Collar		X	Х	
Wingwalls		Х	Х	
(Shape :)				
Cutoff Wall		X	X	

Alberta Transportation

				am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Bevel End		X	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	500			
Scour Protection		7	N	Snow covered
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 150)				
Scour/Erosion		7	N	
Beavers (Y/N)	No			
Upstream End General Rating		7	N	
		-		
	1	Bri		Ivert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN,	Span (mm):	, Rise (mm): 1600, Type: MP)
Barrel Last Accessible Date	03-Oct-2002			East culvert
Creatial Factures				
Special Features Special Feature				
· ·				
(Type :)				
Special Feature				
(Type :)			-	
Roof	4000	N	7	
Measured Rise (mm)	1600			-
Measured At Ring No. 3				Estimate
Sag (mm)				-
Percent Sag	1			
Sidewall		N	7	-
Measured Span (mm)	1635			-
Measured At Ring No.	2			-
Deflection (mm)				-
Percent Deflection	1			
Floor		N	6	-
Bulge (mm)	0			-
Measured At Ring No.				-
Abrasion (Y/N)	No			
Circumferential Seams		N	6	Caulked
Separation (mm)	30			
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	6	Minor superficial corrosion @ lower
Corrosion By Soil (Y/N)	No			haunch
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Brie	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 1600, Type: MP)
Ponding (Y/N)	No			
Fish Passage Adequacy	Fish Passage Adequacy			
Baffle		Х	X	
(Type :)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		N	7	
		D	ownsti	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Direction	/	E		East culvert, south end.
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		Х	Х	
Collar			Х	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		Х	X	
Bevel End		Х	Х	-
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	500			
Scour Protection		7	5	-
(Type : RIP RAP)				-
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		7	5	
Beavers (Y/N)	No			
Downstream End General Ratin	ng	7	5	
		S	Structu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		8	8	Rock lined,(poly lined u/s) twin CPR 1600 mm CSP (5% VE) 7 m d/s.
Bank Stability		8	8	
HWM (m below Top of Culvert)				HWM not visible
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	AGGRADING			
Beavers (Y/N)	No			1
(Fish Compensation Measure 1 :	1			
(Fish Compensation Measure 2 :	· · · · · · · · · · · · · · · · · · ·			1
Channel General Rating	,	8	8	

Maintenance Recommendations													
Inspector Recommendations		Year	Inspector Comments		Department Comr		Target Year	Est. Cost	Cat #				
SHOTCRETE REPAIRS													
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION													
INSTALL CONCRETE/STEEL LINING													
INSTALL STRUTS													
INSTALL CONCRETE COLLAR/CUTC	FF												
REPAIR SEAMS													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/No (%)	ow)	55.6/77.	.8 Sufficiency Rating (La (%)	ist/Now)	67.1/73.3 Est. Repl. Yr 20		2034	Maint. Re	qd. (Y/N)	No			
Special Comments for Next Inspection					Department Comments								
Maintenance Reviewed By					Date		E	Estimated Total	0				
Proposed Long-Term Strategy													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name Jaso		Rusu		Previous	Previous Assistant's Name								
		o-2013		Previous	ous Inspection Date 06-Jun-2010								
Inspection Cycle (Default) (months) 21													
Comment													