Bridge Culvert Inspection													
Bridge File Number 78364 -1			-1 Bridge Culvert				Form Type		CULM				
Year Built					Lot No.		2						
Bridge or Town	Name	ROLLING HILL						or Name	Jason Rusu				
Located Over		EID - IRRIGATION C, WATERC					Inspect	or Class	BR CLS A				
Located On	C1 7.088				Assista	Assistant Name							
Water Body Cl./Year							Assista	nt Class					
Navigabil. Cl./Year							Inspec	Inspection Date 18-Mar-2012					
Legal Land Loca	C 7 TWP 14 RC	GE 13 W4	M		Data E	ntry By	Erin Roberts						
Longitude, Latitude -111:46:43, 50:09:0							Data E	ntry Date	11-Apr-2012				
Road Authority	Transportation	(AIT)			Review	Reviewer Name Garry Roberts							
Contract Main.					Review	Review Date 23-Mar-2012							
Clear Roadway/Skew 10 / -30 deg. (Ll			deg. (LHF)				Dept. F	Dept. Reviewer Name Tim Davies					
AADT/Year		310 / 20	011 (A)				Dept. Review Date		17-Apr-2012				
Road Classificat	tion	RCU-20)9-110				Follow	Uр Ву					
Detour Length (km)	45											
Bridge Culvert	Inform	ation											
Number of Culv	erts		2										
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length	Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		2130	1410		FP		25	68X13	4.2	ARCH		
2	MAIN		2130	1410		FP		25	68X13	4.2	ARCH		
Special Feature	s												
Special Feature	s Comr	nent											
•													
					Uti	lities (L	ocated	at)					
Utility Attachme	nts												
Telephone													
Power	3 wire	s East si	ide.				Munici	bal					
Others Fibre optic cable East ditch.							Problei	m (Y/N) No					
Remarks				Α.									
				A		Now	Explan	ation of Condi	tion				
Horizontal Alian	ment				G	9	слріан						
Vertical Alignme	nt				q	q	-						
Roadway Width	(m)		10.000		3	5							
	(11)		10.000										
Embankment				N		5							
Sideslope (:1)		4.0				_						
(Height of Cov	/er(m) :	1.6)			-								
Guardrail (Y/N)			Yes				Hazard markers mounted on guardrail.						
Approach Road	d / Emb	ankmei	nt General Rat	ing	9 9								
						11							
Culvort Compo	nont				Lact	Now	Evolor	ation of Condi	tion				
(Pine # · 1 Sna	nent an Tyne	· Prima	ry Span)		Lasi	NOW	слріан						
End Treatment (Concrete, Steel, STEEL					South	1001							
Headwall				Х	Х								
Collar					X	Х							
Wingwalls					X	Х							
(a)													

			Upstre	
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)		_	
Cutoff Wall		X	X	
Bevel End		N	5	
Heaving (mm)	300			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	400			
Scour Protection		N	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Upstream End General Rating		6	5	
		Brie	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S	Span (mm): 2130	, Rise (mm): 1410, Type: FP)
Barrel Last Accessible Date	27-Jan-1999			South pipe Canal full of water. Pipes almost full.
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		N	N	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	100			
Percent Sag				
Sidewall		N	N	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		N	N	
Bulge (mm)				
Measured At Ring No.	L			
Abrasion (Y/N)			_	
Circumferential Seams		N	N	
Separation (mm)	40			
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	((Minor corrosion.)) 02/05/14
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	Yes			1

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	<mark>ın (</mark> mm): 2130	, Rise (mm): 1410, Type: FP)					
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N) No									
Fish Passage Adequacy		X	X						
Baffle		Х	Х						
(Туре :)									
Waterway Adequacy		5	5						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		N	N						
		D	ownstr	eam End					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Span Type: Primary	/ Span)								
Direction				South pipe. East side.					
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		X	X						
Collar	Collar								
Wingwalls		X	Х						
(Shape :)									
Cutoff Wall		X	X						
Bevel End		N	5						
Heaving (mm)	200								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	400								
Scour Protection		N	5						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 300)		1							
Scour/Erosion		N	5						
Beavers (Y/N)	No								
Downstream End General Ratin	ng	4	5						
			Upstre	am End					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 2, Span Type: Second	ary Span)	1							
Direction				Northwest					
End Treatment (Concrete, Steel, Others, None)	STEEL		1						
Headwall		X	X						
Collar		X	X						
Wingwalls		X	X						
(Shape :)			_						
Cutoff Wall		X	X						

Alberta Transportation

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Bevel End		N	5	
Heaving (mm)	300			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	400			
Scour Protection		N	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		N	7	
Beavers (Y/N)	No	_		
Upstream End General Rating	1	6	5	
		Bri	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN	, Span (ı	mm): 2′	130, Rise (mm): 1410, Type: FP)
Barrel Last Accessible Date	27-Jan-1999			North pipe Canal full of water.
Special Features				
Special Feature				
(Type:)			-	_
Special Feature				
(Туре :)			_	
Roof		N	N	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	100			
Percent Sag				
Sidewall		N	N	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				1
Circumferential Seams		N	N	
Separation (mm)	40			
Longitudinal Seams		Х	Х	
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	((Minor corrosion)) 02/05/14
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Calling I CO/LEICO/NEO				

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN,	Span (r	nm): 2′	130, Rise (mm): 1410, Type: FP)					
Ponding (Y/N)	No								
Fish Passage Adequacy		X	Х						
Baffle		Х	Х						
(Type:)									
Waterway Adequacy		5	5						
Icing (Y/N)	No		_						
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		N	N						
		D	ownstr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 2, Span Type: Second	ary Span)								
Direction				North pipe. Northeast					
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		Х	X						
Collar		X	Х						
Wingwalls		X	Х						
(Shape:)		1	-						
Cutoff Wall		X	X						
Bevel End	Bevel End								
Heaving (mm)	200								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm) 400									
Scour Protection		N	7						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 300)									
Scour/Erosion		N	7						
Beavers (Y/N)	No								
Downstream End General Ratin	ng	N	5						
		S	structu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment		8	8	Turnout structure 5m NE D/S end. (Canal rehabed in 2001-02.)					
Bank Stability			7						
HWM (m below Top of Culvert)	0.0			Pipe has flowed full.					
Drift (Y/N)	No								
Channel Bottom AGGRADING Degrading/Aggrading									
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		8	8						

Maintenance Recommendations												
Inspector Recommendations			Year	Inspecto	r Comments		Department Corr	nments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT	ACCUMULATION											
INSTALL CONCR	ETE/STEEL LINING											
INSTALL STRUTS	8											
INSTALL CONCRETE COLLAR/CUTOFF												_
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION					1							
Structural Condition Rating (Last/Now) (%)			55.6/55.0	6	Sufficiency Rating (Last/Now) (%)		55.7/55.8	Est. Repl. Yr	2015 Maint.		qd. (Y/N)	Yes
Special Comments for Next Inspection				nents. Car	nal typically either full o	r snow covered	Department Comments					
Maintenance Rev	ewed By						Date			Estimated Total	0	
Proposed Long-Term Strategy												
On 3-Year Progra	m (Y/N)											
Proposed Action												
Previous Inspector's Name Tim		Tim Davies				Previous	Previous Assistant's Name					
Next Inspection Date 18		18-Jun-2015				Previous	Previous Inspection Date 03-Mar-2009					
Inspection Cycle (Default) (months)	39										
Comment												