					Duida	a Culve	art Inon	ation				
Bridge File Nur	nhar	01590 -1 Bridge Culvert				Bridge Culvert Inspection			CUL1			
Year Built	iibei	1972		Form Type Lot No.		• •	4					
Bridge or Town Name   ISLAND LAKE								Todd Warshawski				
Located Over TRAIL-ANIMAL, OVER SP						Inspector Name						
Located On 2:42 C1 25.404						Inspector Class		DR CLS B	BR CLS B			
						Assistant Name						
Water Body Cl./Year							int Class	00 M- = 0040				
Navigabil. Cl./Year						Inspection Date			29-Mar-2013			
Legal Land Location NE SEC 26 TWP 67 RGE 24 W4				4IVI		Data Entry By		111010001 = 0.00	Theresa Lacusta			
Longitude, Latitude -113:32:34, 54:49:49					Data Entry Date			17-Apr-2013				
Road Authority Alberta Transportation (AIT)			Reviewer Na			Eric Carcoux						
Contract Main. Area CMA10				Review Date		03-Apr-2013						
Clear Roadway	//Skew	10.4 /				Dept. Reviewer Name						
AADT/Year			2012 (A)				<del></del>	Review Date	23-Apr-2013			
Road Classifica		RAU-21	0-110				Follow-	·Up By				
Detour Length		50										
Bridge Culvert												
Number of Culv			1									
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length	Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		-	1964		СР		27.4			ROUND	
Special Feature	es											
Special Feature	es Comi	ment										
					Do	ation in	-f	ion				
Required Vert.	Clooror	oo Dooti	na (m)		РО	Sting ii	nformati	ion				
Posted Vertical												
	Cleara	IICE (I/IN	)									
Doctod: Lane	NID	05.5	Oridae (m)	In Adv	anaa (	V/NI) I	No I	one CD	On Bridge (m)	In Adva	200 (V/N) No	
Posted: Lane			Bridge (m)	In Adv	ance (	Y/N) I	No L	ane SB	On Bridge (m)	In Adva	nce (Y/N) No	
Posted: Lane Remarks		On Equired.	Bridge (m)	In Adv	,	,		'	On Bridge (m)	In Adva	nce (Y/N) No	
Remarks	Not re		Bridge (m)	In Adv	,	,	No L	'	On Bridge (m)	In Adva	nce (Y/N) No	
Remarks Utility Attachme	Not re	equired.	Bridge (m)	In Adv	,	,	ocated.	'	On Bridge (m)	In Adva	nce (Y/N) No	
Remarks Utility Attachme	Not re	equired.	Bridge (m)	In Adv	,	,	ocated Gas	at)	On Bridge (m)	In Adva	nce (Y/N) No	
Utility Attachme Telephone Power	Not re	equired.	Bridge (m)	In Adv	,	,	Gas Municip	at)	On Bridge (m)	In Adva	nce (Y/N) No	
Utility Attachme Telephone Power Others	Not re	equired.		In Adv	,	,	Gas Municip	at)	On Bridge (m)	In Adva	nce (Y/N) No	
Utility Attachme Telephone Power	Not re	equired.			Uti	lities (L	Gas Municip Proble	at)  pal  m (Y/N) No	On Bridge (m)	In Adva	nce (Y/N) No	
Utility Attachme Telephone Power Others	Not re	equired.			Uti	lities (L	Gas Municip Probles	at)  pal  m (Y/N) No  ankment		In Advar	nce (Y/N) No	
Utility Attachme Telephone Power Others Remarks	Not reents  East r	equired.			Uti oproac Last	lities (L	Gas Municip Problem  I / Emba	at)  Dal  m (Y/N) No  ankment nation of Con	dition	In Adva	nce (Y/N) No	
Remarks  Utility Attachme Telephone Power Others Remarks  Horizontal Align	Not reents  East r  BF tag	equired.			Uti oproad Last 7	ch Road	Gas Municip Problem  I / Emba	at)  Dal  m (Y/N) No  ankment nation of Con		In Adva	nce (Y/N) No	
Remarks  Utility Attachme Telephone Power Others Remarks	Not reents  East r  BF tag	equired.			Uti oproac Last	lities (L	Gas Municip Problem  I / Emba	at)  Dal  m (Y/N) No  ankment nation of Con	dition	In Advar	nce (Y/N) No	
Remarks  Utility Attachme Telephone Power Others Remarks  Horizontal Align Vertical Alignm Roadway Width	Not reents  East r  BF tag	equired.	st side.		Uti Dproad Last 7	ch Road Now 7 8	Gas Municip Problem  I / Emba	at)  Dal  m (Y/N) No  ankment nation of Con	dition	In Advar	nce (Y/N) No	
Remarks  Utility Attachmed Telephone Power Others Remarks  Horizontal Align Vertical Alignm Roadway Width Embankment	Not reents  East r  BF tag	equired.	st side.		Uti oproad Last 7	ch Road	Gas Municip Problem  I / Emba	at)  Dal  m (Y/N) No  ankment nation of Con	dition	In Advar	nce (Y/N) No	
Remarks  Utility Attachme Telephone Power Others Remarks  Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (	Not reents  East r  BF tag  mment ent n (m)	yw g on Wes	st side.		Uti Dproad Last 7	ch Road Now 7 8	Gas Municip Problem  I / Emba	at)  Dal  m (Y/N) No  ankment nation of Con	dition	In Advar	nce (Y/N) No	
Remarks  Utility Attachmed Telephone Power Others Remarks  Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (	Not reents  East r  BF tag  mment ent n (m)  :1)  ver(m):	yw g on Wes	10.400 3.0		Uti Dproad Last 7	ch Road Now 7 8	Gas Municip Problem  I / Emba	at)  Dal  m (Y/N) No  ankment nation of Con	dition	In Advar	nce (Y/N) No	
Remarks  Utility Attachme Telephone Power Others Remarks  Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (	Not reents  East r  BF tag  mment ent n (m)  :1)  ver(m):	yw g on Wes	st side.		Uti Dproad Last 7	ch Road Now 7 8	Gas Municip Problem  I / Emba	at)  Dal  m (Y/N) No  ankment nation of Con	dition	In Advar	nce (Y/N) No	
Remarks  Utility Attachme Telephone Power Others Remarks  Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (	Not reents  East r  BF tag  mment ent n (m)  :1)	equired.  /w g on Wes	10.400 3.0 Yes	Ar	Uti Dproad Last 7	ch Road Now 7 8	Gas Municip Problem  I / Emba	at)  Dal  m (Y/N) No  ankment nation of Con	dition	In Advar	nce (Y/N) No	
Remarks  Utility Attachmed Telephone Power Others Remarks  Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (	Not reents  East r  BF tag  mment ent n (m)  :1)	equired.  /w g on Wes	10.400 3.0 Yes	Ar	Uti  Deproace Last 7 8	lities (L Now 7 8	Gas Municip Problem  I / Emba	at)  pal m (Y/N) No  ankment nation of Con d on a curve,	dition	In Advar	nce (Y/N) No	
Remarks  Utility Attachmed Telephone Power Others Remarks  Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (	BF tag	equired.  /w g on Wes	10.400 3.0 Yes	Ar	Uti  Diproac  Last  7  8	lities (L Now 7 8	Gas Municip Probles  / Emba Explan Locate	at)  pal m (Y/N) No  ankment nation of Con d on a curve,	dition superelevated.	In Advar	nce (Y/N) No	
Remarks  Utility Attachme Telephone Power Others Remarks  Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (	BF tag	equired.  /w g on Wes	10.400 3.0 Yes	Ar	Uti  Diproac  Last  7  8	lities (L Now 7 8	Gas Municip Probles  / Emba Explan Locate	at)  pal m (Y/N) No  ankment nation of Con d on a curve,	dition superelevated.	In Advar	nce (Y/N) No	
Remarks  Utility Attachmed Telephone Power Others Remarks  Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (	Not resents  East r  BF tag  ment ent ent (m)  :1)  ver(m):	g on Wes	10.400  3.0  Yes  The General Research Control of the Control of t	Ar	Uti Diproace Last 7 8	lities (L Now 7 8	Gas Municip Probles  / Emba Explan Locate	at)  pal m (Y/N) No  ankment nation of Con d on a curve,	dition superelevated.	In Advar	nce (Y/N) No	
Remarks  Utility Attachmed Telephone Power Others Remarks  Horizontal Align Vertical Alignm Roadway Width Embankment Sideslope (	Not resents  East r  BF tag  ment ent ent (m)  :1)  ver(m):	g on Wes	10.400  3.0  Yes  The General Research Control of the Control of t	Ar	Uti Diproace Last 7 8	lities (L Now 7 8	Gas Municip Probles  / Emba Explan Locate	at)  pal m (Y/N) No  ankment nation of Con d on a curve,	dition superelevated.	In Advar	nce (Y/N) No	

01590 -1 Bridge Culvert

				eam End
Culvert Component		Last	Now	Explanation of Condition
Wingwalls		X	X	-
(Shape: )		X		
Cutoff Wall			X	
Bevel End		X	X	
Heaving (mm)	100			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		X	X	
(Type : <b>NATURAL</b> )				
(Avg. Rock Size(mm):)				
Scour/Erosion		X	X	
Beavers (Y/N)	No			
Upstream End General Rating		8	8	
		Brid	dae Cu	llvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN. Sı			, Rise (mm): 1964, Type: CP)
Barrel Last Accessible Date	29-Mar-2013	(1111	,	, the contract of the contract
Darrot Lact / tooccolbic Date	20 Mai 2010			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		6	6	Longitudinal medium crack on roof. Intermittent, R5,7,9,10.
Measured Rise (mm)	1948			U/S
Measured At Ring No.	7			Rise not measured due to ice.
Sag (mm)	32			
Percent Sag	2			
Sidewall		7	7	
Measured Span (mm)	1990			
Measured At Ring No.	7			
Deflection (mm)	10			
Percent Deflection	1			
Floor		5	N	Small spall on floor, 3rd ring. Wide cracks in floor near c/lJul-2009
Bulge (mm)	0			
Measured At Ring No.				Water/ice covered
Abrasion (Y/N)	No			
Circumferential Seams	-	6	6	Minor leakage and soil infiltration.
Separation (mm)	45		- 0	
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		X	X	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			2 of 5

		Brio	dge Cu	Ivert Barrel
<b>Culvert Component</b>				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm	<b>)</b> :	, Rise (mm): 1964, Type: CP)
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N) No				
Fish Passage Adequacy			Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		X	X	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		6	6	
Culvert Component				Fundamental of Condition
Culvert Component Direction		<b>Last</b>	Now	Explanation of Condition
End Treatment (Concrete, Steel, Others, None)	NONE	E		
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape: )				
Cutoff Wall		Х	Х	
Bevel End		Х	Х	
Heaving (mm)	50			
Invert Above/Below Stream Bed				
Above/Below (mm)	0		_	
Scour Protection		Х	X	
(Type: <b>NATURAL</b> )				
(Avg. Rock Size(mm):)				
Scour/Erosion		X	Х	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	8	8	
			1	re Usage
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		9	X	Small spall on floor and cracks noticedJul,2009
Roadway Surface		6	N	
(Type : <b>CONCRETE</b> )				
Icing (Y/N)	No			

Structure Usage								
		Last	Now	Explanation of Condition				
Traffic Safety Features		Х	X					
Туре	ype NONE							
Lighting		Х	X					
Barrel Leakage (Y/N) Yes				At seams				
Drainage		6	6					
Structure In Use (Y/N)	tructure In Use (Y/N) Yes		-	Snow mobiles.				
Grade Separation General Rating			6					

		Maintenance	Recommend	dations					
Inspector Recommendations	Year	Inspector Comments		Department Comm	nents		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS				·					
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	3								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 66.7/6	6.7 Sufficiency Rating (Las (%)	st/Now)	77.5/77.5	Est. Repl. Yr	2035	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	Estimated Tota	1 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Kris Bosters		Previous	Assistant's Name					
Next Inspection Date	29-Dec-2014		Previous	Inspection Date	07-Jul-2011				
Inspection Cycle (Default) (months)	21								
Comment									