				Bri	dae Culv	ert Inspec	tion					
Bridge File Number 71454 -1 Bridge Culvert						Form Type		CUL1				
Year Built		1999				Lot No.		4				
Bridge or Town	Name	MARIE	REINE			Inspector	r Name	Brian Pientsch				
Located Over TRIBUTARY TO HEART RIVER				RT RIVER, 8.	10.56.2,	Inspector Class		BR CLS A				
			RCRS-ST			Assistant Name		Lisbeth Medina				
Located On 744:04 C1 44.862						Assistant Class						
Water Body Cl./Year						Inspection Date		04-Apr-2011				
Navigabil. Cl./Year						Data Entry By		Theresa Lacusta				
Legal Land Location NW SEC 7 TWP 82 RGE 21 W5						Data Entry Date		24-May-2011				
Longitude, Latitude -117:17:23, 56:06:04						Reviewer Name		Arnold Assenheimer				
Road Authority Alberta Transportation (AIT)				n (AIT)		Review Date		16-May-2011				
Contract Main.		CMA04				Dept. Reviewer Name		Steve Pasqua				
Clear Roadway	//Skew		deg. (RHF)			Dept. Review Date		14-Nov-2011				
AADT/Year		840 / 20					Ір Ву					
Road Classifica		RCU-20	09-110			_						
Detour Length		5										
Bridge Culvert		ation										
Number of Culv			1		\ _					01-		
Pipe #	Barrel		Span	Rise (or Dia.) Type	L	ength	Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	3050	SP	2	205.4	152X51	3.0,5.0,4.0	ROUND		
Special Feature												
Special Feature		ment										
					Utilities (Located a	t)					
Utility Attachme												
Telephone 12 M WEST OF C/L (SEE NOTE)				OTE)		Gas	ROA	D CROSSING 2	25 M N. OF TR	ACK		
Power	15 M	E. OF C	/L			Municipa	al					
Others	_					Problem						
Remarks	RAILV					1 TODIOIII	(Y/N) No					
		VAY UR S STILL	OSSING SOU			1 TODIOIN						
	2004-	S STILL	OSSING SOU TEMP. RERO	TH HILL UTED								
	2004-	S STILL	OSSING SOU TEMP. RERO	UTED	oach Roa	d / Emban						
	2004-	S STILL	OSSING SOU TEMP. RERO	UTED		d / Emban		ition				
Horizontal Aligr	2004-	S STILL	OSSING SOU TEMP. RERO	UTED Appro	st Now	d / Emban Explanat	nkment tion of Cond es 100m north	n & south.				
Horizontal Aligr Vertical Alignm	2004-	S STILL	OSSING SOU TEMP. RERO	UTED Appro	st Now	d / Emban Explanat Entrance BOTTON	nkment tion of Cond es 100m north M OF SAG CI		SING			
Vertical Alignm	2004- nment	S STILL	OSSING SOU TEMP. RERO	UTED Appro Las	st Now	d / Emban Explanat Entrance BOTTON	nkment tion of Cond es 100m north M OF SAG CI	n & south. JRVE - NO PAS	SING			
Vertical Alignm Roadway Width	2004- nment	S STILL		UTED Appro Las	st Now	d / Emban Explanat Entrance BOTTON Limited s	nkment tion of Cond es 100m north M OF SAG Cl ite distance l	n & south. JRVE - NO PAS poth directions.				
Vertical Alignm Roadway Width Embankment	2004- nment hent h (m)	S STILL	9.500	UTED Appro Las	st Now 6 6 5 5	d / Emban Explanat Entrance BOTTON Limited s	nkment tion of Cond es 100m north M OF SAG Cl ite distance l	n & south. JRVE - NO PAS				
Vertical Alignm Roadway Width Embankment Sideslope (2004- nment h (m) _:1)	S STILL 11-29		UTED Appro Las	st Now 6 6 5 5	d / Emban Explanat Entrance BOTTON Limited s	nkment tion of Cond es 100m north M OF SAG Cl ite distance l	n & south. JRVE - NO PAS poth directions.				
Vertical Alignm Roadway Width Embankment Sideslope ((Height of Co	2004- nment hent h (m) _:1) over(m) :	S STILL 11-29	 TEMP. RERO 9.500 3.0 	UTED Appro Las	st Now 6 6 5 5	d / Emban Explanat Entrance BOTTON Limited s	nkment tion of Cond es 100m north M OF SAG Cl ite distance l	n & south. JRVE - NO PAS poth directions.				
Vertical Alignm Roadway Width Embankment Sideslope ((Height of Co	2004- nment hent h (m) _:1) over(m) :	S STILL 11-29	9.500	UTED Appro Las	st Now 6 6 5 5	d / Emban Explanat Entrance BOTTON Limited s	nkment tion of Cond es 100m north M OF SAG Cl ite distance l	n & south. JRVE - NO PAS poth directions.				
Vertical Alignm Roadway Width Embankment Sideslope ((Height of Co Guardrail (Y/N)	2004- nment lent h (m) _:1) over(m) :	S STILL 11-29	 TEMP. RERO 9.500 3.0 Yes 	Appro Las 6 5 5	st Now 6 6 5 5 9 4	d / Emban Explanat Entrance BOTTON Limited s	nkment tion of Cond es 100m north M OF SAG Cl ite distance l	n & south. JRVE - NO PAS poth directions.				
Vertical Alignm Roadway Width Embankment Sideslope ((Height of Co Guardrail (Y/N)	2004- nment lent h (m) _:1) over(m) :	S STILL 11-29	 TEMP. RERO 9.500 3.0 Yes 	Appro Las 6 5 5	st Now 6 6 5 5 9 4	d / Emban Explanat Entrance BOTTON Limited s	nkment tion of Cond es 100m north M OF SAG Cl ite distance l	n & south. JRVE - NO PAS poth directions.				
Vertical Alignm Roadway Width Embankment Sideslope (2004- nment h (m) _:1) over(m) :	S STILL 11-29	 TEMP. RERO 9.500 3.0 Yes 	Appro Las 6 5 5	st Now 6 6 5 5 9 4 6 5	d / Emban Explanat Entrance BOTTON Limited s Slide 20r	nkment tion of Cond es 100m north A OF SAG CI site distance I m long x 2m v	n & south. JRVE - NO PAS poth directions. vide on West en				
Vertical Alignm Roadway Width Embankment Sideslope (2004- nment h (m) _:1) over(m) :	S STILL 11-29	 TEMP. RERO 9.500 3.0 Yes 	UTED Appro Las definition Las defini	st Now 6 6 5 5 9 4 5 5 9 4	d / Emban Explanat Entrance BOTTON Limited s Slide 20r	nkment tion of Cond es 100m north M OF SAG Cl ite distance l	n & south. JRVE - NO PAS poth directions. vide on West en				
Vertical Alignm Roadway Width Embankment Sideslope (2004- nment lent h (m) _:1) over(m) :) ad / Eml onent	S STILL 11-29)) pankme	TEMP. RERO 9.500 3.0 Yes nt General Ra	UTED Appro Las de de de de de de de de de de de de de	st Now 6 6 5 5 9 4 5 5 9 4	d / Emban Explanat Entrance BOTTON Limited s Slide 20r	nkment tion of Cond es 100m north A OF SAG CI site distance I m long x 2m v	n & south. JRVE - NO PAS poth directions. vide on West en				
Vertical Alignm Roadway Width Embankment Sideslope (2004- nment lent h (m) _:1) over(m) :) ad / Eml onent	S STILL 11-29)) pankme	TEMP. RERO 9.500 3.0 Yes nt General Ra	UTED Appro Las de de de de de de de de de de de de de	st Now 6 6 5 5 9 4 5 5 9 4	d / Emban Explanat Entrance BOTTON Limited s Slide 20r	nkment tion of Cond es 100m north A OF SAG CI site distance I m long x 2m v	n & south. JRVE - NO PAS poth directions. vide on West en				
Vertical Alignm Roadway Width Embankment Sideslope (2004- nment lent h (m) _:1) over(m) :) ad / Eml onent	S STILL 11-29)) pankme	TEMP. RERO 9.500 3.0 Yes nt General Ra	UTED Appro Las de de de de de de de de de de de de de	st Now 6 6 5 5 9 4 5 5 5 5 5 5 5 5 5 5 1 1 1 1 1 1 1 1 1 1 1 1 1	d / Emban Explanat Entrance BOTTON Limited s Slide 20r	nkment tion of Cond es 100m north A OF SAG CI site distance I m long x 2m v	n & south. JRVE - NO PAS poth directions. vide on West en				
Vertical Alignm Roadway Width Embankment Sideslope (2004- nment lent h (m) _:1) over(m) :) ad / Eml onent	S STILL 11-29)) pankme	TEMP. RERO 9.500 3.0 Yes nt General Ra	ting E	st Now 6 6 5 5 9 4 5 5 Upstresses st Now	d / Emban Explanat Entrance BOTTON Limited s Slide 20r	tion of Cond as 100m north A OF SAG Cl ite distance b m long x 2m v	n & south. JRVE - NO PAS poth directions. vide on West en				
Vertical Alignm Roadway Width Embankment Sideslope (2004- nment lent h (m) _:1) over(m) :) ad / Eml onent	S STILL 11-29)) pankme	TEMP. RERO 9.500 3.0 Yes nt General Ra	UTED Appro Las 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 5 6 6 5 6 6 5 6 6 5 6 6 6 6 5 6 6 6 6 6 6 6 6 6 6 6 6 6	st Now 6 6 5 5 9 4 6 5 9 4 6 5 9 4 6 5 9 5 9 4 6 5 9 4 6 5 9 5 9 4 6 5 9 4 6 5 9 6 1 6 1 N	d / Emban Explanat Entrance BOTTON Limited s Slide 20r	tion of Cond as 100m north A OF SAG Cl ite distance b m long x 2m v	n & south. JRVE - NO PAS poth directions. vide on West en				

Alberta Transportation

Upstream End									
Culvert Component		Last	Now	Explanation of Condition					
Cutoff Wall		N	N						
Povol End									
Bevel End		N N		Snow covered Only 10% visible					
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW			-					
Above/Below (mm)	760								
Scour Protection		N N		Snow covered.					
(Type:)				-					
(Avg. Rock Size(mm) :)									
Scour/Erosion		N	N	Snow covered.					
Beavers (Y/N)	No								
Upstream End General Rating	1	8	6						
		Brid	dge Cu	lvert Barrel					
Culvert Component		1	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 3050, Type: SP)					
Barrel Last Accessible Date	04-Apr-2011								
Special Features									
Special Feature									
(Type:)				_					
Special Feature									
(Type :)		1							
Roof	1	8	8	-					
Measured Rise (mm)	3016			Measurements couldn't be taken due to ice on floor.					
Measured At Ring No.	88			_					
Sag (mm)	34			_					
Percent Sag	1		_						
Sidewall		8	8						
Measured Span (mm)	3064								
Measured At Ring No.	88								
Deflection (mm)	14								
Percent Deflection	1								
Floor		8	N	Under ice.					
Bulge (mm)	0								
Measured At Ring No.				1					
Abrasion (Y/N)	No			1					
Circumferential Seams		8	8						
Separation (mm)	0			1					
Longitudinal Seams		8	8						
Total No. of Cracked Rings	0			- 2N Stagger					
Total No. of Rings with Two Cracked Seams									
Min. Remaining Steel Between Cracks (mm)									
Proper Lap (Y/N)	Yes								
Longitudinal Stagger (Y/N)	Yes								
Coating		8	7						
Corrosion By Soil (Y/N)	No		· ·						
Corrosion By Water (Y/N)	Yes			1					
Camber POS/ZERO/NEG	POS								
Camber 1 00/ZERO/NEG	100								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

71454 -1 Bridge Culvert

		Brid	lae Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp	an (mm):	, Rise (mm): 3050, Type: SP)
Ponding (Y/N)	No			
Fish Passage Adequacy		9	9	
Baffle		X	X	
(Type :)				
Waterway Adequacy		9	9	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		8	8	
			ownst	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction		E		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape :)				
Cutoff Wall		Х	Х	
Bevel End		N	7	Rate based on 40% visibility.
Heaving (mm)				
Invert Above/Below Stream Bed				est
Above/Below (mm)	760		1	
Scour Protection		N	N	Snow covered. Few rocks were evident through snow.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 500)				
Scour/Erosion		N	N	Snow covered.
Beavers (Y/N)	No			
Downstream End General Ratin	ng	8	7	
				re Usage
Channel (II/S and D/S)		Last	Now	Explanation of Condition
Channel (U/S and D/S) Alignment		7	7	
Bank Stability			6	
HWM (m below Top of Culvert)				HWM not visible
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	DEGRADING			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	1			
(Fish Compensation Measure 2 :	· · · · · · · · · · · · · · · · · · ·			
Channel General Rating		7	7	

Maintenance Recommendations											
Inspector Recommendations		Year	Inspector Comments		Department Co	mments	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTOFF											
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		88.9/88.9 Sufficiency Rating (Lat (%)		ow) 9	0.3/87.3 Est. Repl. Yr 2044		2044	Maint. Reqd. (Y/N) No		No	
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date		E	Estimated Total	I 0		
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Brian F	Brian Pientsch Previous A			Assistant's Name Tim Miskiman						
Next Inspection Date 04-Ju		2014	P	Inspection Date 29-Jan-2009							
Inspection Cycle (Default) (months)	39										
Comment											