					Briag		ert Inspe	ection					
Bridge File Nur	ımber						Form Type		CULE				
Year Built 1957						Lot No.		4					
Bridge or Town Name INNISFAIL						Inspector Name		Owen Salava					
Located Over 2ND ORDER TRIBUTARY TO R RIVER, 3.85.2, WATERCRS-ST				ED DI			BR CLS A						
Located On		2:22 R1	22.755;2:22 L	1 22.767				nt Class					
Water Body CI	I./Year								12 Mar 2012				
Navigabil. Cl./	Year						· ·	ion Date	13-Mar-2013				
Legal Land Loo		SW SEC	8 TWP 35 R	GE 28 W4	М		Data Er		Marcia Chavez				
Longitude, Lati		-113:58:4	45, 51:59:27				Data Entry Date		27-Mar-2013				
Road Authority			Fransportation (AIT)			Reviewer Name		John O'Brien					
Contract Main.	•	CMA19					Review Date			17-Mar-2013			
Clear Roadway	ay/Skew	30.2 / -4	5 deg. (LHF)				Dept. Reviewer Name						
AADT/Year	<b>j</b>	28,800 /	<b>C</b> \/				Dept. Review Date		28-Mar-2013				
Road Classifica	cation	RFD-412					Follow-	Ор Ву					
Detour Length	n (km)	1					-						
Bridge Culver													
Number of Cul		1											
Pipe #	Barrel		Span	Rise (or D	Dia.)	Туре		Length	Corr. Profile	Pl./Slab Thickness	Shape		
1	U/S	3	658	1829		BP		18.98			RECTANGLE		
1	MAIN	3	658	1829		BP		60.81			RECTANGLE		
1	D/S	3	658	1829		BP		18.61			RECTANGLE		
Special Feature	roc		STORM WAT			<u> </u>	I		1				
Special Feature													
Special Featur					Uti	lities (L	_ocated	at)					
Utility Attachme	res Comi	ment			Uti	lities (L		at)					
	nents West	r/w.				lities (L	Gas						
Utility Attachme	nents West	r/w.	road 40m fror	m c/l. Hwy2		lities (L	Gas Municip	pal					
Utility Attachmo Telephone Power Others	nents West	r/w.	road 40m fror	m c/l. Hwy2		lities (l	Gas	pal					
Utility Attachmo Telephone Power	nents West	r/w.	road 40m fror		2.		Gas Municip Problen	n (Y/N) No					
Utility Attachmo Telephone Power Others	nents West	r/w.	road 40m fror	Ар	2. oproad	ch Road	Gas Municip Problen d / Emba	pal n (Y/N) No inkment					
Utility Attachmo Telephone Power Others Remarks	nents West	r/w.	road 40m fror	Ар	2. pproad Last	ch Road	Gas Municip Problen d / Emba	n (Y/N) No nkment ation of Condi					
Utility Attachmo Telephone Power Others Remarks Horizontal Alig	res Comi nents   West 1 wire	r/w.	road 40m fror	Ар	2. Iproad Last 7	ch Road Now 7	Gas Municip Problen d / Emba	pal n (Y/N) No inkment					
Utility Attachme Telephone Power Others Remarks Horizontal Alig Vertical Alignm	ments West 1 wire	r/w.		Ар	2. pproad Last	ch Road	Gas Municip Problen d / Emba	n (Y/N) No nkment ation of Condi					
Utility Attachmo Telephone Power Others Remarks Horizontal Alig	ments West 1 wire	r/w.	road 40m fror 29.000	Ар	2. Iproad Last 7	ch Road Now 7	Gas Municip Problen d / Emba	n (Y/N) No nkment ation of Condi					
Utility Attachme Telephone Power Others Remarks Horizontal Alig Vertical Alignm	ments West 1 wire	r/w.		Ар	2. Iproad Last 7	ch Road Now 7	Gas Municip Problen d / Emba	n (Y/N) No nkment ation of Condi					
Utility Attachmo Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt	ments West West 1 wire gnment nent th (m)	r/w.		Ар	2. proac Last 7 9	h Road Now 7 9	Gas Municip Problen d / Emba	n (Y/N) No nkment ation of Condi					
Utility Attachmo Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment	res Comi ments Vest 1 wire gnment nent th (m)	r/w.	29.000	Ар	2. proac Last 7 9	h Road Now 7 9	Gas Municip Problen d / Emba	n (Y/N) No nkment ation of Condi					
Utility Attachme Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (_	res Comi nents Vest 1 wire gnment ment th (m) _:1) over(m) :	r/w.	29.000	Ар	2. proac Last 7 9	h Road Now 7 9	Gas Municip Problen d / Emba	n (Y/N) No nkment ation of Condi					
Utility Attachmo Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (	res Comi ments   West 1 wire nent th (m) :1) over(m) :	nent r/w. @ West	29.000 3.0 Yes		2. proac Last 7 9	h Road Now 7 9	Gas Municip Problen d / Emba	n (Y/N) No nkment ation of Condi					
Utility Attachmo Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (	res Comi ments   West 1 wire nent th (m) :1) over(m) :	nent r/w. @ West	29.000 3.0 Yes		2. <b>Droad</b> <b>Last</b> 7 9 7 7 7	h Road Now 7 9 7 7 7 7 Upstre	Gas Municip Problen d / Emba Explana Median	al n (Y/N) No Inkment ation of Condi crossing 100m	South.				
Utility Attachmo Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (	res Comi Ments West 1 wire a gnment ment th (m) 	nent r/w. @ West	29.000 3.0 Yes	Ap	2. <b>)proad</b> <b>Last</b> 7 9 7 7 <b>7</b> <b>1</b>	th Road Now 7 9 7 7	Gas Municip Problen d / Emba Explana Median	n (Y/N) No nkment ation of Condi	South.				
Utility Attachme Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (	res Comi Ments West 1 wire a gnment ment th (m) 	nent r/w. @ West	29.000 3.0 Yes	Ap	2. <b>)proac</b> <b>Last</b> 7 9 7 7 7	h Road Now 7 9 7 7 7 7 Upstre	Gas Municip Problen d / Emba Explana Median	al n (Y/N) No Inkment ation of Condi crossing 100m	South.				
Utility Attachmo Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (	res Comi hents West 1 wire a gnment nent th (m) .:1) over(m) : J) pad / Emi bonent	nent r/w. @ West	29.000 3.0 Yes t General Rat	Ap	2. <b>)proad</b> <b>Last</b> 7 9 7 7 <b>7</b> <b>1</b>	h Road Now 7 9 7 7 7 7 Upstre	Gas Municip Problen d / Emba Explana Median	al n (Y/N) No Inkment ation of Condi crossing 100m	South.				
Utility Attachmo Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (	res Comi hents West 1 wire a gnment nent th (m) .:1) over(m) : J) pad / Emi bonent	nent r/w. @ West	29.000 3.0 Yes t General Rat	Ap	2. <b>)proad</b> <b>Last</b> 7 9 7 7 <b>7</b> <b>1</b>	h Road Now 7 9 7 7 7 7 Upstre	Gas Municip Problen d / Emba Explana Median	al n (Y/N) No Inkment ation of Condi crossing 100m	South.				
Utility Attachme Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (	res Comi hents West 1 wire a gnment nent th (m) .:1) over(m) : J) pad / Emi bonent	nent r/w. @ West	29.000 3.0 Yes t General Rat	Ap	2. <b>Diroa</b> <b>Last</b> 7 9 7 7 <b>T</b> <b>Last</b> E	th Road Now 7 9 7 7 Vpstre Now	Gas Municip Problen d / Emba Explana Median	al n (Y/N) No Inkment ation of Condi crossing 100m	South.				
Utility Attachme Telephone Power Others Remarks Horizontal Alig Vertical Alignm Roadway Widt Embankment Sideslope (	res Comi hents West 1 wire a gnment nent th (m) .:1) over(m) : J) pad / Emi bonent	nent r/w. @ West	29.000 3.0 Yes t General Rat	Ap	2. <b>Diroa</b> <b>Last</b> 7 9 7 7 <b>T</b> <b>Last</b> E 8	Image: height of the second secon	Gas Municip Problen d / Emba Explana Median	al n (Y/N) No Inkment ation of Condi crossing 100m	South.				

Alberta Transportation

				am End
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		N	N	
Bevel End			6	
Heaving (mm)				
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		6	6	
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		6	N	Snow covered.
Beavers (Y/N)	No			
Upstream End General Rating		6	6	
				lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: U/S, Span	(mm):	1829, F	Rise (mm): 1829, Type: BP, Cell Sequence: 1)
Barrel Last Accessible Date	13-Mar-2013			South cell.
Special Features				
Special Feature		6	6	
(Type : STORM WATER DRAI	<b>N</b> )			
Special Feature	· ·			
(Туре : )				
Roof		6	6	Ice
Measured Rise (mm)	1829			
Measured At Ring No.				
Sag (mm)	0			(08Aug2011)
Percent Sag	0			
Sidewall	•	6	6	
Measured Span (mm)	1829			
Measured At Ring No.				
Deflection (mm)	0			
Percent Deflection	0			1
Floor		N	N	Under ice.
Bulge (mm)	0			
Measured At Ring No.				1
Abrasion (Y/N)				1
Circumferential Seams		6	6	
Separation (mm)	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)				
		V	V	
Coating		X	X	
Corrosion By Soil (Y/N)				-
Corrosion By Water (Y/N)	7550			
Camber POS/ZERO/NEG	ZERO			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

77731 -1 Bridge Culvert

		Bri	dge Cu	Ivert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	ation Code: U/S, Span	(mm):		Rise (mm): 1829, Type: BP, Cell Sequence: 1)
Ponding (Y/N)	No			
Fish Passage Adequacy		6	6	
Baffle		X	X	
(Type : )				
Waterway Adequacy		6	6	
Icing (Y/N)	No		-	
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Rati	ng	6	6	
	5			
				livert Barrel
Culvert Component		Last		Explanation of Condition
		(mm):	1829,	Rise (mm): 1829, Type: BP, Cell Sequence: 2)
Barrel Last Accessible Date	13-Mar-2013			North cell.
Special Features				
Special Feature				
(Type : )				
Special Feature				
(Type:)				
Roof		6	6	Ice
Measured Rise (mm)	1829			
Measured At Ring No.				
Sag (mm)	0			(11Aug2011)
Percent Sag	0			
Sidewall		6	6	
Measured Span (mm)	1828			_
Measured At Ring No.				_
Deflection (mm)	1			_
Percent Deflection	0		_	
Floor		N	N	Under ice.
Bulge (mm)	0			_
Measured At Ring No.				-
Abrasion (Y/N)				
Circumferential Seams		6	6	
Separation (mm)	0			
Longitudinal Seams		Х	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)				-
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: U/S, Span	(mm):	1829, I	Rise (mm): 1829, Type: BP, Cell Sequence: 2)
Ponding (Y/N)	No			
Fish Passage Adequacy		6	6	
Daffla			V	
Baffle (Type : )		X	X	
		6	6	
Waterway Adequacy	No	0	0	
Icing (Y/N)	-			-
Silting (Y/N)	No			-
Drift (Y/N)	No			
Barrel Extension General Ratin	g	6	6	
		D	ownsti	ream End
Culvert Component		Last	Now	Explanation of Condition
Direction	1	W		
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		8	8	
Collar		X	Х	
Wingwalls		7	7	(75mm spall at base exposing waterstop - photo #5. 02/Jan/2007).
(Shape : )				Not visible.
Cutoff Wall		N	N	
Bevel End	1	6	6	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			-
Above/Below (mm)	300		1	
Scour Protection		6	N	Snow covered.
(Type : <b>RIP RAP</b> )				-
(Avg. Rock Size(mm) : <b>300</b> )				
Scour/Erosion		6	N	Snow covered.
Beavers (Y/N)	No			
Downstream End General Ratir	າg	6	6	
		S	structu	re Usage
			Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment			5	
Bank Stability			6	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading				
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	· · · · · · · · · · · · · · · · · · ·			
Channel General Rating		5	5	

		Maintenance Recomm	endations				
Inspector Recommendations	Year	Inspector Comments	Department Comme	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) 66.7/66	.7 Sufficiency Rating (Last/Now) (%)	62.7/62.7 E	st. Repl. Yr 20	28 Maint. Re	qd. (Y/N)	No
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	Owen Salava	Previo	ous Assistant's Name				
Next Inspection Date	13-Dec-2014	Previo	us Inspection Date 11-Aug-2011				
Inspection Cycle (Default) (months)	21						