					Bridg	e Culve	ert Inspe	ction			
Bridge File Nur	mber	83022 -	1 Bridge Culve	ert		Form Type		CULM			
Year Built		1982					Lot No.		4		
Bridge or Town	Name	CESSF	ORD				Inspecto	or Name	Owen Salava		
Located Over		ENV - [DEADFISH IC,	WATERC	RS-IC		Inspecto	or Class	BR CLS A		
Located On		LOCAL	ROAD				Assistar	nt Name			
Water Body Cl.	./Year						Assistar	nt Class			
Navigabil. Cl./Y	'ear						Inspecti	on Date	13-Sep-2012		
Legal Land Loc	cation	NE SEC	C 11 TWP 24 R	RGE 14 W	4M		Data En	try By	Marcia Chave	Z	
Longitude, Lati	tude	-111:50	:54, 51:01:50				Data En	try Date	03-Oct-2012		
Road Authority	•	Alberta	Transportation	(AIT)			Reviewe	er Name	John O'Brien		
Contract Main. Area UNDEFINED CMA					Review	Review Date 27-Sep-2012					
Clear Roadway	//Skew						Dept. Re	eviewer Name Andrew Smikles			
AADT/Year							 	eview Date	16-Oct-2012		
Road Classifica	ation						Follow-U	Јр Ву			
Detour Length											
Bridge Culver		ation									
Number of Culv	verts		2						1	1	
Pipe #	Barrel		Span	Rise (or	Dia.)	Type		Length	Corr. Profile	Pl./Slab Thickness	Shape
1	ΜΔΙΝΙ		_	1600		MP		 20	125X26	3.5	ROUND
				1		MP		20	125X26	3.5	ROUND
				1000		IVII		20	120/120	0.0	INCOME
•		ment									
opoolai i cataix	00 001111	none									
					Uti	ilities (L	ocated a	at)			
Utility Attachme	ents										
Telephone					Gas						
Power							Municipa				
						Problem	(Y/N) No				
Remarks											
				A			d / Emba		iti a m		
Horizontal Align	omont				Last 3	Now 3		ation of Cond			
					8	8	following channel.				
			6,000		0	0					
Roadway Widti	11 (111)		0.000								
Embankment					8	8					
Sideslope (_:1)		4.0								
(Height of Co	ver(m) :	0.5)									
Power Others Remarks Horizontal Alignment Vertical Alignment Roadway Width (m) 6.000 Embankment Sideslope (:1) 4.0 (Height of Cover(m): 0.5) Guardrail (Y/N) No Approach Road / Embankment General Rating Culvert Component (Pipe # : 1, Span Type: Primary Span)											
Approach Roa	ad / Emi	bankme	nt General Ra	tina	5	3					
				. J							
							am End				
					Last	Now	Explana	ation of Cond	ition		
	an Type	e: Prima	ry Span)				1				
Direction					W		S barrel				
End Treatment Others, None)	(Concre	ete, Stee	el, STEEL			_					
Headwall					Х	X					
Collar					Х	Х					
Wingwalls					Х	X					
(Shape:)											

83022 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Span Type: Primary	/ Span)			
Cutoff Wall		Х	X	
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		7	7	
(Type: RIP RAP)				
(Avg. Rock Size(mm) : 150)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	ı):	, Rise (mm): 1600, Type: MP)
Barrel Last Accessible Date	13-Sep-2012			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	7	
Measured Rise (mm)	1590			
Measured At Ring No.	2			
Sag (mm)	10			0.6%
Percent Sag	1			
Sidewall		7	7	
Measured Span (mm)	1590			
Measured At Ring No.	2			
Deflection (mm)	10			0.6%
Percent Deflection	1			
Floor		7	7	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm) 50				
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		7	7	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (V/N)	Vec			1

		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	ı):	, Rise (mm): 1600, Type: MP)
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle			X	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	7	
		D		eam End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)	1		
Direction		E		S barrel.
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		Х	X	
Collar		Х	X	
Wingwalls		X	X	
(Shape:)		1	1	
Cutoff Wall		Х	X	
Bevel End		X	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0	-	T _	
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 150)		7		
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Direction		W		N barrel.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	X	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		X	X	

83022 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 2, Span Type: Second	lary Span)			
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0		_	
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 150)			_	
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Brid	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN, S	Span (r	nm):	, Rise (mm): 1600, Type: MP)
Barrel Last Accessible Date	13-Sep-2012			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)			_	
Roof		7	7	
Measured Rise (mm)	1585	'		
Measured At Ring No.	2			
Sag (mm)	15			
Percent Sag	1			0.9%
Sidewall	'	7	7	
	1590	/	/	
Measured Span (mm) Measured At Ring No.	_			
Deflection (mm)	10			
Percent Deflection	1			0.6%
	<u> I </u>	7		
Floor		7	7	
Bulge (mm)	0			
Measured At Ring No.	No			
Abrasion (Y/N)	INO	7	7	
Circumferential Seams	50	7	7	
Separation (mm)	50	V		
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		7	7	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			

		Brid	dge Cu	Ivert Barrel
Culvert Component		1		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		7	7	
Baffle			Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	7	
		D	ownstr	ream End
Culvert Component				Explanation of Condition
(Pipe # : 2, Span Type: Second	larv Span)	1_0.01	1.1011	
Direction	, , , , , , , , , , , , , , , , , , ,	Е		N barrel.
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		Х	Х	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		X	X	
Bevel End		X	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 150)		T _	T _	
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	
		S	Structu	re Usage
		1	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		7	7	Man made irrigation canal.
Bank Stability		7	7	
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 :	NONE)			
Channel General Rating		7	7	

83022 -1 Bridge Culvert

Inspector Recommendations Year Inspector Comments Department Comments 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 OTHE			Maintenance	Recommendations				
SHOTCRETE REPAIRS PLACE ADDITIONAL RIP RAP REMOVE DRIFT ACCUMULATION INSTALL CONCRETE/STEEL LINING INSTALL STRUTS INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION OTH	Inspector Recommendations	Year			ments	Target	Year Est. Cost	Cat #
PLACE ADDITIONAL RIP RAP REMOVE DRIFT ACCUMULATION INSTALL CONCRETE/STEEL LINING INSTALL STRUTS INSTALL STRUTS INSTALL STRUTS INSTALL STRUTS INSTALL CONCRETE/STEEL COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION OTHER ACT	•			•				
INSTALL CONCRETE/STEEL LINING								
INSTALL STRUTS INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Next Inspection Date Randy Bredo Next Inspection Date Previous Inspection Date 13-Jun-2017 Previous Inspection Date 19-Oct-2004 Control C	REMOVE DRIFT ACCUMULATION							
INSTALL CONCRETE COLLAR/CUTOFF REPAIR SEAMS OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Randy Bredo Next Inspection Date 13-Jun-2017 Previous Inspection Date 13-Jun-2017 Previous Inspection Date 19-Oct-2004	INSTALL CONCRETE/STEEL LINING							
REPAIR SEAMS OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Randy Bredo Randy Bredo Previous Assistant's Name Next Inspection Date 13-Jun-2017 Previous Inspection Date 13-Jun-2017 Previous Inspection Date 13-Jun-2017 Previous Inspection Date 19-Oct-2004	INSTALL STRUTS							
OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Randy Bredo Next Inspection Date 13-Jun-2017 Previous Inspection Date 19-Oct-2004 Inspection Cycle (Default) (months) 57	INSTALL CONCRETE COLLAR/CUTO	OFF						
OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection On 3-Year Program (Y/N) Proposed Long-Term Strategy Previous Inspector's Name Randy Bredo Next Inspection Date 13-Jun-2017 Previous Inspection Date 19-Oct-2004 Sufficiency Rating (Last/Now) 77.3/66.1 Est. Repl. Yr 2044 Maint. Reqd. (Y/N) No No No No No No No	REPAIR SEAMS							
OTHER ACTION OTHER ACTION Structural Condition Rating (Last/Now) (%) Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Randy Bredo Randy Bredo Randy Bredo Previous Inspection Date 13-Jun-2017 Previous Inspection Date 15-St. Repl. Yr 2044 Maint. Reqd. (Y/N) No (%) Maint. Reqd. (Y/N) No (%) Proposed Last/Now) Previous Assistant's Name Previous Inspection Date 19-Oct-2004	OTHER ACTION							
Structural Condition Rating (Last/Now) 77.0/77.8 Sufficiency Rating (Last/Now) (%) 77.3/66.1 Est. Repl. Yr 2044 Maint. Reqd. (Y/N) No (%) Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspection Date Randy Bredo Previous Assistant's Name Next Inspection Date 13-Jun-2017 Previous Inspection Date 19-Oct-2004 Inspection Date Inspectio	OTHER ACTION							
Structural Condition Rating (Last/Now) 77.0/77.8 Sufficiency Rating (Last/Now) 77.3/66.1 Est. Repl. Yr 2044 Maint. Reqd. (Y/N) No Special Comments for Next Inspection Proposed Long-Term Strategy Maintenance Reviewed By Date Estimated Total 0 Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Randy Bredo Previous Assistant's Name Next Inspection Date 13-Jun-2017 Previous Inspection Date 19-Oct-2004 Inspection Cycle (Default) (months) 57	OTHER ACTION							
Special Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Randy Bredo Next Inspection Date 13-Jun-2017 Previous Inspection Date 13-Jun-2017 Previous Inspection Date 13-Jun-2017 Previous Inspection Date 19-Oct-2004 Inspection Cycle (Default) (months) 57	OTHER ACTION							
Comments for Next Inspection Maintenance Reviewed By Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Next Inspection Date 13-Jun-2017 Inspection Cycle (Default) (months) Randy Bredo Previous Inspection Date 19-Oct-2004 1	Structural Condition Rating (Last/No. (%)	ow) 77.0/77	Sufficiency Rating (La (%)	st/Now) 77.3/66.1	Est. Repl. Yr	2044 Ma	int. Reqd. (Y/N)	No
Proposed Long-Term Strategy On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Randy Bredo Previous Assistant's Name Next Inspection Date 13-Jun-2017 Previous Inspection Date 19-Oct-2004 Inspection Cycle (Default) (months) Proposed Action				Department Comments				
On 3-Year Program (Y/N) Proposed Action Previous Inspector's Name Randy Bredo Previous Assistant's Name Next Inspection Date 13-Jun-2017 Previous Inspection Date 19-Oct-2004 Inspection Cycle (Default) (months) 57	Maintenance Reviewed By			Date		Estimate	d Total 0	
Previous Inspector's Name Randy Bredo Previous Assistant's Name Next Inspection Date Inspection Cycle (Default) (months) Previous Assistant's Name Previous Inspection Date Inspection Cycle (Default) (months) Previous Inspection Date Inspection Cycle (Default) (months)	Proposed Long-Term Strategy							
Previous Inspector's Name Randy Bredo Previous Assistant's Name Next Inspection Date 13-Jun-2017 Previous Inspection Date 19-Oct-2004 Inspection Cycle (Default) (months) 57	On 3-Year Program (Y/N)							
Next Inspection Date13-Jun-2017Previous Inspection Date19-Oct-2004Inspection Cycle (Default) (months)57	Proposed Action							
Inspection Cycle (Default) (months) 57	Previous Inspector's Name	Randy Bredo		Previous Assistant's Name				
Inspection Cycle (Default) (months) 57	Next Inspection Date	13-Jun-2017		Previous Inspection Date	19-Oct-2004			
		57		·	'			