					Brida	e Culve	ert Insp	ection					
Bridge File Nur	mber	01447 -	1 Bridge Culve	ert						CULM			
Year Built/Line		1953/20					Lot No.			4			
Bridge or Towr								tor Name		Owen Salava			
Located Over		TRIBUT	TARY TO BLIN	IDMAN RI	VER, 3	8.78.7,	<u> </u>	tor Class		BR CLS A			
			RCRS-ST					ant Name					
Located On	<b></b>	20:04 C	21 1.268				Assistant Class						
Water Body Cl.							Inspection Date		11-Jul-2012				
Navigabil. Cl./Year							Data Entry By			Marcia Chavez			
Legal Land Loo			C 27 TWP 40	RGE 1 W5	N		Data Entry Date		20-Aug-2012				
Longitude, Lati			:26, 52:28:33	( • • • •			Review	ver Name		John O'Brien			
Road Authority		i	Transportation	n (ALL)			Review	v Date		30-Jul-2012			
Contract Main.		CMA18					Dept. I	Reviewer N	ame	Andrew Smikl	es		
Clear Roadway	y/Skew		7 deg. (RHF)				Dept. I	Review Dat	e	21-Aug-2012			
AADT/Year			2011 (A)				Follow	-Up By					
Road Classifica			11.8-110				-						
Detour Length	· /	3											
Bridge Culver			-										
Number of Cul			2										
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
3	MAIN F	ULL	-	914		SSP		63.5				ROUND	
4	MAIN F	ULL	-	914		SSP		63.5				ROUND	
Special Feature										1			
Utility Attachme	ents				Uti	ilities (L	ocated	l at)					
Telephone	East r	/w					Gas						
Power	3 lines	s 20m c/l East r/w boundary.					Munici	pal					
Others							Proble	m (Y/N)	No				
Remarks													
				A			1	ankment					
					Last	Now		nation of C					
Horizontal Alig					6	6	No passing NB due to curves at both ends, limited sight distance.						
Vertical Alignm					7	7							
Roadway Widtl	h (m)		12.200										
Embankment					7	7							
Sideslope (		. 7 2)	3.0										
(Height of Co Guardrail (Y/N)		. 1.3)	Yes				E side only.						
Approach Roa	ad / Eml	bankme	nt General Ra	ting	6	6							
						Upstre	am End						
Culvert Comp	onent				Last			nation of C	ondi	tion			
(Pipe # : 3, Sp		e: Prima	ary Span)							-			
Direction			<u> </u>		E		S pipe						
End Treatment (Concrete, Steel, NONE Others, None)													
Headwall			1		Х	X							
Collar					Х	Х							

			Upstre	eam End
Culvert Component		Last		Explanation of Condition
(Pipe # : 3, Span Type: Primary	/ Span)			
Wingwalls	• /	Х	Х	
(Shape : )				
Cutoff Wall		Х	X	
Bevel End	1	X	X	
Heaving (mm)	800			
Invert Above/Below Stream Bed	ABOVE			-
Above/Below (mm)	800			
Scour Protection		N	7	_
(Type : <b>RIP RAP</b> )				_
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Upstream End General Rating		3	7	
		Brid	dae Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 3, Primary Span, Loca	tion Code: MAIN,			, Rise (mm): 914, Type: SSP)
Barrel Last Accessible Date				Too small to enter; viewed from ends, visible pipe looks good.
Special Features				
Special Feature				
(Type:)				
Special Feature				-
(Type:)				
Roof		N	N	Now a liner.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				(14.2%, likely previous pipe.)
Sidewall		N	N	
Measured Span (mm)				
Measured At Ring No.				-
Deflection (mm)				(14.2%, likely previous pipe.)
Percent Deflection				
Floor		N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	N	
Separation (mm)				1
Longitudinal Seams		N	N	
Total No. of Cracked Rings				1
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

	Bridge Culvert Barrel								
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 3, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm):		, Rise (mm): 914, Type: SSP)					
Coating		N	N						
Corrosion By Soil (Y/N)	No								
Corrosion By Water (Y/N)	No								
Camber POS/ZERO/NEG									
Ponding (Y/N)	No								
Fish Passage Adequacy		X	X	Dugouts/dams u/s & d/s.					
Baffle		Х	Х						
(Type : )									
Waterway Adequacy		5	5						
Icing (Y/N)	No								
Silting (Y/N)	Yes								
Drift (Y/N)	No								
Barrel General Rating		N	N						
			ownst	ream End					
Culvert Component		Last		Explanation of Condition					
(Pipe # : 3, Span Type: Primary	(Span)	Last							
Direction		W		South pipe.					
		VV		South pipe.					
End Treatment (Concrete, Steel, Others, None)	NONE		-						
Headwall		X	X						
Collar		X	X						
Wingwalls		X	Х						
(Shape : )									
Cutoff Wall		X	Х						
Bevel End		Х	Х						
Heaving (mm)	50								
Invert Above/Below Stream Bed	ABOVE								
Above/Below (mm)	0								
Scour Protection		N	7						
(Type : <b>RIP RAP</b> )									
(Avg. Rock Size(mm) : 200)									
Scour/Erosion		N	7						
Beavers (Y/N)	No								
Downstream End General Ratin	ng	6	7						
			Upstre	am End					
Culvert Component		Last		Explanation of Condition					
(Pipe # : 4, Span Type: Second	ary Span)								
Direction		E		North pipe.					
End Treatment (Concrete, Steel, NONE Others, None)		_							
Headwall	I	X	X						
Collar		X	Х						
				1					

			Upstre	eam End
Culvert Component		Last		Explanation of Condition
(Pipe # : 4, Span Type: Second	lary Span)		1	
Wingwalls		X	Х	
(Shape : )			71	
Cutoff Wall		X	X	
Bevel End		X	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			_
Above/Below (mm)	0			
Scour Protection		N	7	
(Type : <b>RIP RAP</b> )				_
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		N	7	
	No			
Beavers (Y/N)	INO			
Upstream End General Rating		3	7	
Orderent Organization				Ivert Barrel
Culvert Component	Code: MAI	Last	Now	Explanation of Condition
(Pipe # : 4, Secondary Span, Lo		N, Span (r	nm):	, Rise (mm): 914, Type: SSP)
Barrel Last Accessible Date				Too small to enter; viewed from ends, visible pipe looks good.
Special Features				
Special Feature				
(Type : )				
Special Feature				-
(Type:)				
Roof		N	N	Now a liner.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		N	N	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				-
Percent Deflection				1
Floor		N	N	
Bulge (mm)				1
Measured At Ring No.				1
Abrasion (Y/N)				1
Circumferential Seams	1	N	N	
Separation (mm)				
Longitudinal Seams	1	N	N	
Total No. of Cracked Rings		IN	I N	
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				-
Longitudinal Stagger (Y/N)				

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

01447 -1 Bridge Culvert

		Brie	dge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 4, Secondary Span, Lo	cation Code: MAIN,	Span (r	nm):	, Rise (mm): 914, Type: SSP)
Coating		N	N	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG				
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	X	Dugouts & dams u/s & d/s.
Baffle		X	X	
(Type:)				
Waterway Adequacy		5	5	
Icing (Y/N)	No			
Silting (Y/N)	Yes			
Drift (Y/N)	No			
Barrel General Rating		N	N	
		D	ownsti	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 4, Span Type: Second	lary Span)			
Direction		W		North pipe.
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		X	X	
Collar		X	X	
Wingwalls		Х	Х	
(Shape : )				
Cutoff Wall		X	X	
Bevel End		X	Х	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	0			
Scour Protection		N	7	
(Type : <b>RIP RAP</b> )				_
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Downstream End General Ratin	ng	5	7	
		S	Structu	re Usage
			Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		5	6	
Bank Stability		6	6	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	Yes			

## Bridge Inspection & Maintenance System (Web 2005)

Structure Usage								
		Last	Now	Explanation of Condition				
Channel Bottom Degrading/Aggrading				Can't determine.				
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating 5								

Maintenance Recommendations												
Inspector Recommendation	S	Year	Inspector Comments		Department Comm	nents		Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP R	AP											
REMOVE DRIFT ACCUMU	ATION											
INSTALL CONCRETE/STEE	EL LINING											
INSTALL STRUTS												
INSTALL CONCRETE COL	LAR/CUTOFF											
REPAIR SEAMS												
OTHER ACTION										_		
OTHER ACTION												
OTHER ACTION		_										
OTHER ACTION												
Structural Condition Ratin (%)	g (Last/Now)	55.6/55.	6 Sufficiency Rating (Last/No (%)	Now) 50.4/56.3		Est. Repl. Yr	st. Repl. Yr 2050		Maint. Reqd. (Y/N)			
Special Comments for Next Inspection			is. nich were placed in 1953.		Department Comments							
Maintenance Reviewed By					Date		E	Estimated Total	0			
Proposed Long-Term Strate	ду											
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name Ower		Owen Salava			Previous Assistant's Name							
Next Inspection Date	11-Ap	11-Apr-2014 Pre			evious Inspection Date 08-Dec-2010							
Inspection Cycle (Default) (r	nonths) 21											
Comment												