					Brida	e Culve	ert Insp	ection					
Bridge File Nu	ımber	08250 -	-1 Bridge Culve	rt	Diridg	je eurr				CULE			
Year Built/Line		1966/1								1			
Bridge or Tow							Lot No	or Name		Kris Bosters			
Located Over								tor Class		BR CLS A			
Located On			C1 44.015	21(0)	Assistant Name				Brian Cote				
Water Body C	l /Year	0.0102						Assistant Class		2.10.11 0 010			
Navigabil. Cl./							Inspection Date			10-Dec-2012			
		NW SE	C 36 TWP 56 F		LNA		<u> </u>			Theresa Lacu	sta		
			1:56, 53:53:14				Data Entry By Data Entry Date			23-Jan-2013	314		
Road Authorit			Transportation							Eric Carcoux			
							Review Date			19-Dec-2012			
Clear Roadwa		CMA08	, deg. (LHF)					Reviewer	Nomo	Brent Herrick			
AADT/Year	ly/Skew	720 / 20						Review Da					
			. ,				· · · · · · · · · · · · · · · · · · ·		ale	23-Jan-2013			
Road Classific		RCU-20	09-110				Follow	ор ву					
Detour Length	· /	6											
Bridge Culve		lation	2										
				Diag (ar		Turne		Lawath		Com Drofile	DI /Clah	Chana	
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN F	Partially	-	4920		SP		89		152X51	4.0	ROUND	
2	MAIN PARTI	AL	-	4300		SP	23.8			152X51	3.0	ROUND	
	LINER												
Special Featu	res												
Utility Attachm Telephone	Buried		10m South of c/	1.	Uti	ilities (L	Gas						
Power	Powe	r pole to	the S.E.				Municipal						
Others	_						Proble	m (Y/N)	No				
Remarks													
				A				ankment					
					Last	Now		ation of					
Horizontal Alig					6	6	No passing EB. On grade and horizontal curve to East with limited sight distance.						
Vertical Alignr	nent				7	7							
Roadway Wid	th (m)		10.000										
Embankment					4	4	NF dite	h erosior	ן-1m⊻∩	le through soo	W		
Sideslope (_	.1)		3.0		+	+	NE ditch erosion-1mx0.5mx10m-visible through snow.						
(Height of C	,	07)	5.0										
Guardrail (Y/N		3. 7)	No										
	·				6	6							
Approach Ro	ad / Emi	Jankme	nt General Rat	ung	6	6	om F						
Culvert Corre	onert.						am End		Cond	tion			
Culvert Comp		o. Daine	(Seen)		Last	Now	Explar	ation of	Conar	uon			
(Pipe # : 1, S	рантур	e. Prima	ary span)		N		NDA/						
End Treatment (Concrete, Steel, CONCRETE				N		NW							
Others, None) Headwall					7	7	Wide transverse cracks @ 300mm.						
Collar					7	N	Wide ti	Wide transverse cracks @ 300mm27-Apr-2011					
						Page	<u> </u>						

				am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	v Span)			
Wingwalls		Х	X	
(Shape :)				
Cutoff Wall		N	N	
Bevel End		7	N	
Heaving (mm)	500			
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		7	N	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 400)				
Scour/Erosion		7	N	
	1			
Beavers (Y/N)	No			
Upstream End General Rating		7	7	Carried fwd.
		Bric	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 4920, Type: SP)
Barrel Last Accessible Date	10-Dec-2012			
Special Features	·			
Special Feature				
(Type:)				
Special Feature				
(Type :)				
Roof		7	7	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		7	3	3 rings near d/s along North sidewall bulging inwards (~N150mm
Measured Span (mm)	4260			reverse curvature), no cracking yetphoto
Measured At Ring No.	8			Occuring in original section. Percent deflection inwards.
Deflection (mm)	660			
Percent Deflection	13			
Floor	-	N	N	
Bulge (mm)			1	
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams	· · · · · · · · · · · · · · · · · · ·	N	6	
		IN	0	
Separation (mm)		N	G	
Longitudinal Seams		N	6	
Total No. of Cracked Rings				
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				1N
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	Yes			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

08250 -1 Bridge Culvert

		Bric	lae Cu	Ilvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loc	ation Code: MAIN, S			, Rise (mm): 4920, Type: SP)
Coating	· · · · ·	7	5	Corrosion in original section.
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			
Fish Passage Adequacy		7	7	
Baffle		N	N	
(Type:)			-	
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		N	3	
		D	ownst	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Prima	ry Span)			
Direction		S		
End Treatment (Concrete, Stee Others, None)	I, STEEL			
Headwall		Х	X	
Collar		Х	Х	
Wingwalls		X	Х	
(Shape :)				
Cutoff Wall		X	X	
Bevel End		7	5	Bevel bent inwards on North sidephoto
Heaving (mm)	300			
Invert Above/Below Stream Be				
Above/Below (mm)	200			
Scour Protection	200	7	4	Erosion along North side at bevel.~0.5m deep and 3m longphoto
(Type : NONE)		,	r	
(Avg. Rock Size(mm) :)				-
Scour/Erosion		7	4	Erosion along North side of bevel.
Beavers (Y/N)	No			
Downstream End General Ra	ting	7	4	
			Unstre	eam End
Culvert Component				
(Pipe # : 2, Span Type: Secon	ndary Span)			
Direction	/	N		
End Treatment (Concrete, Stee Others, None)	I, NONE			
Headwall		X	X	
			1	

			Upstre	am End
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Wingwalls		Х	Х	
(Shape :)				
Cutoff Wall		X	Х	
Bevel End		X	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	500			
Scour Protection		X	Х	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 400)				
Scour/Erosion		X	X	
	NI-			
Beavers (Y/N)	No			
Upstream End General Rating		N	N	
5				
				lvert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN,	Span (I	mm):	, Rise (mm): 4300, Type: SP)
Barrel Last Accessible Date				Inaccessible. Observed from ends.
				Looks OK from both sides. Water flowing through this section.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	N	
Measured Rise (mm)		-		
Measured At Ring No.				
Sag (mm)				
Percent Sag				
		7	N	
Sidewall		7	N	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor		N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	N	
Separation (mm)				
Longitudinal Seams		N	N	
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)				

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

08250 -1 Bridge Culvert

Bridge Culvert Barrel											
Culvert Component		Last Now Explanation of Condition									
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (n	nm):	, Rise (mm): 4300, Type: SP)							
Coating		7	N								
Corrosion By Soil (Y/N)	No										
Corrosion By Water (Y/N)	Yes										
Camber POS/ZERO/NEG	ZERO										
Ponding (Y/N)	No										
Fish Passage Adequacy		5	5	jump up from pipe #1.							
Baffle		Х	Х								
(Type:)			-								
Waterway Adequacy		7	7								
Icing (Y/N)	No										
Silting (Y/N)	No										
Drift (Y/N)	No										
Barrel General Rating		N	N	Last rated N on 27-Apr-2012							
		D	ownstr	eam End							
Culvert Component		Last		Explanation of Condition							
(Pipe # : 2, Span Type: Second	ary Span)										
Direction		S									
End Treatment (Concrete, Steel, Others, None)	NONE										
Headwall		X	X								
Collar		Х	Х								
Wingwalls		Х	Х								
(Shape :)											
Cutoff Wall		X	X								
Bevel End		Х	Х								
Heaving (mm)											
Invert Above/Below Stream Bed	ABOVE										
Above/Below (mm)	500										
Scour Protection		Х	X								
(Type : NONE)											
(Avg. Rock Size(mm) :)											
Scour/Erosion		X	Х								
Beavers (Y/N)	No		1								
Downstream End General Ratir	ng	N	N								
		S	tructu	re Usage							
			Now	Explanation of Condition							
Channel (U/S and D/S)											
Alignment		6	6	Meanders both directions.							
Bank Stability		5	5	Sloughing banks - d/s minor							
HWM (m below Top of Culvert)				HWM not visible							
Drift (Y/N)	Yes			1							

Structure Usage										
		Last	Now	Explanation of Condition						
Channel Bottom Degrading/Aggrading										
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		5								

Alberta Transportation

			Maintenance Recommendations										
Inspector Recomm	nendations		Year	Inspecto	r Comments		Departmer	nt Commer	nts		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS													
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT	ACCUMULATION												
INSTALL CONCR	ETE/STEEL LINING												
INSTALL STRUTS													
	ETE COLLAR/CUTC	DFF											
REPAIR SEAMS													
OTHER ACTION			2013	1	to 21 month cycle								
OTHER ACTION			2013	Assessm	ent for repalce/re	place.							
OTHER ACTION													
OTHER ACTION													_
OTHER ACTION													
Structural Condition Rating (Last/Now) (%)			55.6/33.	3	Sufficiency Rating (Last/Now) (%)		65.0/52.2	Es	st. Repl. Yr	2020 Repl. Yr		qd. (Y/N)	Yes
Special Comments for Next Inspection at u/s end.					the d/s end is fol	lowing same patte	Departmer rn Comments	nt ;					
Maintenance Revi	ewed By		Date							E	Estimated Tota	0	
Proposed Long-Term Strategy													
On 3-Year Progra	m (Y/N)												
Proposed Action													
Previous Inspector's Name Wade		Wade I	Vanninga	a		Previo	vious Assistant's Name						
							us Inspection D						
Inspection Cycle (39							27-Apr-2011				
Comment													