					Brida	ie Culve	ert Insne	ction					
Bridge File Number 79466 -1 Bridge Culvert			rt	Dirag	,o cuit	Culvert Inspection Form Type			CUL1				
		1984	go				Lot No.	, p =		4			
Bridge or Town Name JEN								or Name		Jason Saly			
			ARY TO BLO	OD INDIA	N CRE	FK.	' '			BR CLS A			
		3.9.2, W	ATERCRS-ST			,		Inspector Class BR CLS A Assistant Name					
Located On 884:06			C1 11.386										
Water Body Cl./Year							Assistant Class Inspection Date		22-Nov-2010				
Navigabil. Cl./	Year						· ·	Data Entry By Marcia Chavez					
		NW SE	C 3 TWP 24 R	GE 9 W4N	Л			Data Entry Date 11-Jan-2011					
Longitude, Latitude		-111:11	:28, 51:01:06					Reviewer Name John O'Brien					
Road Authority		Alberta	Transportation	(AIT)				Review Date 12-Dec-2010					
-		CMA22						Dept. Reviewer Name Chris Black					
Clear Roadwa	y/Skew	9.3 / 50	deg. (RHF)				·	Dept. Review Date 11-Jan-2011					
AADT/Year		300 / 20	009 (A)				<u> </u>			11 0011 2011			
Road Classific	ation	RCU-21	0-110] Ollow-	Follow-Up By					
Detour Length	(km)	100											
Bridge Culve	rt Inform	nation											
Number of Cu	lverts		1										
Pipe #	Barrel		Span	Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		-	2134		SP		111		152X51	3.0	ROUND	
Special Featur	res												
Special Featur	res Com	ment											
•													
					Uti	ilities (L	_ocated	at)					
Utility Attachm	ents												
Telephone							Gas						
Power							Municip	al					
Others							Problem	n (Y/N) N	10				
Remarks	No uti	ilities											
				A			d / Emba		!!	1			
I I a single and a line and a single and a s				Last		Explanation of Condition Horiz curve over crest to North.							
Horizontal Alignment Vertical Alignment				6	6	Sag curve. Crest to the N with limited sight distance.							
Roadway Width (m)		9.300					ngini diotai	100.					
Embankment				3	3	Frosion at Fast and er			croaching on f	enceline			
	·1)		3.0			J	Erosion at East end encroaching on fenceline.						
Sideslope (:1) (Height of Cover(m):)		0.0			Estimate 9m.								
		.)	No										
Guardrail (Y/N)													
Approach Road / Embankment General Rating					6	6							
						Upstre	am End						
Culvert Component			Last	Now	Explana	ation of C	ondi	tion					
Direction			E										
End Treatmen Others, None)	t (Concr	ete, Stee	I, STEEL										
Headwall			Х	X									
Collar			Х	Х									
Wingwalls				Х	X								
(Shape:)					1								
Cutoff Wall	,				Х	X							
Caton Wan	Guton vvan				_ ^								

			Heatra	om End				
Culvert Component				eam End Explanation of Condition				
Culvert Component		Last	Now	Explanation of Condition				
Bevel End	0	7	7					
Heaving (mm) Invert Above/Below Stream Bed	BELOW							
	-							
Above/Below (mm)	400	-	1					
Scour Protection		7	N	Snow covered.				
(Type: RIP RAP)								
(Avg. Rock Size(mm) : 300)		T _	1					
Scour/Erosion		7	N	Snow covered.				
Beavers (Y/N)	No							
Upstream End General Rating		7	7					
		Brid	dae Cu	lvert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa			, Rise (mm): 2134, Type: SP)				
Barrel Last Accessible Date	22-Nov-2010			Plates 6N, 5N, 6N, 6N, 5N from bottom				
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)		_						
Roof		7	7	Rise measured at R2=2092 - 42mm; R6=2098 - 36mm; R12=2090 -				
Measured Rise (mm)	2090	•	<u>'</u>	44mm=2.1%.				
Measured At Ring No.	12							
Sag (mm)	44							
Percent Sag	2							
Sidewall	_	7	7	Span measured at R2=2091 - 43mm=2.0%; R6=2096 - 38mm;				
Measured Span (mm)	2091	'		R12=2104 - 30mm; R18=2122 - 12mm; R24=2128 - 6mm.				
Measured At Ring No.	2							
Deflection (mm)	43							
Percent Deflection	2			-				
Floor		6	6					
Bulge (mm)	0	0	0					
Measured At Ring No.								
Abrasion (Y/N)	No							
	110	6	6					
Circumferential Seams	0	6	6					
Separation (mm)	0	-						
Longitudinal Seams		7	7	-				
Total No. of Cracked Rings	0							
Total No. of Rings with Two Cracked Seams	0							
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)	No			1				
Longitudinal Stagger (Y/N)	Yes			1N Stagger				
Coating		6	5	Alkali starting to appear on sides				
Corrosion By Soil (Y/N)	Yes			Alkali starting to appear on sides. Some deposits on bolt holes (5%).				
Corrosion By Water (Y/N)	Yes			Light Corrosion				
Camber POS/ZERO/NEG	NEG							
Ponding (Y/N)	No							

		Brid	dge Cu	Ivert Barrel				
Culvert Component								
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	an (mm):		, Rise (mm): 2134, Type: SP)				
Fish Passage Adequacy			5	Corrosion by S&W.				
Baffle			Х					
(Type:)								
Waterway Adequacy			5					
Icing (Y/N)	No			0.6 deep silt at D/S 1/4				
Silting (Y/N) Yes								
Drift (Y/N)	No							
Barrel General Rating		6	6					
			ownet	ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		W		Farmer placed metal gate against opening.				
End Treatment (Concrete, Steel, Others, None)	STEEL	VV		Tamor placed motal gate against opening.				
Headwall		Х	Х					
Collar			X					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		Х	Х					
Bevel End		6	N	Snow covered.				
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW			as ground level.				
Above/Below (mm)	60		_					
Scour Protection		7	N	Snow covered.				
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 300)		7						
Scour/Erosion			N	Snow covered.				
Beavers (Y/N)	No							
Downstream End General Ratin	ng	6	N	Previous GR was 6 from 30Jan2009.				
		S	Structu	re Usage				
		Last Now		Explanation of Condition				
Channel (U/S and D/S)								
Alignment			7	Bends to and from pipe.				
Bank Stability			N	Snow covered.				
HWM (m below Top of Culvert)				Not visible.				
Drift (Y/N) No								
Channel Bottom AGGRADING Degrading/Aggrading								
Beavers (Y/N) No								
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating			7					

		Mai	tenance Recommendations				
Inspector Recommendations	Year	Inspector Comments		nt Comments	Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS		<u>'</u>					
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL CONCRETE/STEEL LINING	}						
INSTALL STRUTS							
INSTALL CONCRETE COLLAR/CUT	OFF						
REPAIR SEAMS							
OTHER ACTION	2011	Repair bank erosion ea 70 m3 pit run then top s 20 m3 C1.1	end. bil				
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/N (%)	ow) 66.7/6	Sufficiency R (%)	ting (Last/Now) 62.0/60.9	Est. Repl. Yr	2031 Maint. Re	eqd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments	t			
Maintenance Reviewed By			Date		Estimated Tota	ıl O	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Garry Roberts		Previous Assistant's N	lame			
Next Inspection Date	22-Feb-2014		Previous Inspection Da	ate 30-Jan-2009			
•	1						
Inspection Cycle (Default) (months)	39						