					Brida	e Culve	ert Insp	ection				
Bridge File Numb	oer	09432 -	1 Bridge Culve	rt	- 11 kg		Form 1			CUL1		
Year Built 1987					Lot No.		4					
Bridge or Town Name LEGAL								Melanie Johnson				
Located Over FAIRYDE						Inspector Class		BR CLS B				
ST						Assistant Name						
Located On 651:04 C1 8.960						Assistant Class						
Water Body CI./Y							Inspection Date		05-Jul-2011			
Navigabil. Cl./Ye							Data Entry By		Theresa Lacusta			
Legal Land Loca			28 TWP 57 R	GE 24 W	4M		Data Entry Date		20-Jul-2011			
Longitude, Latitude -113:30:30, 53:56:57						Reviewer Name		Arnold Assenheimer				
Road Authority Alberta Transportation (AIT)						Review Date		07-Jul-2011				
Contract Main. A		CMA09					Dept. Reviewer Name		Brent Herrick			
Clear Roadway/S			deg. (LHF)				Dept. Review Date		26-Jul-2011			
AADT/Year		980 / 20					Follow	-Up By				
Road Classificati		RCU-20	9-110				-					
Detour Length (k		5										
Bridge Culvert I			 1									
	Barrel		Span	Rise (or	Dia )	Туре		Length		Corr. Profile	Pl./Slab	Shape
ripe#	arrei		Оран	Kise (Oi	Dia.)	Type		Lengui		Con. Frome	Thickness	Snape
1 N	ΛΙΑΙΝ		-	2430		SP		32.9		152X51	3.0	ROUND
Special Features	1											
Special Features	Comr	nent										
Little Attackmen	4-				Uti	ilities (L	_ocated	at)				
Utility Attachmen							0					
Telephone South r/w.						Gas	1					
Power 1 line OH North r/w. Others					Munici		NIa					
-	DE too	, installa	d @ top of Sou	ıth haval r	oof		Proble	m (Y/N)	No			
Remarks	Dr laç	j ii istalle	u @ top or 300			ch Roa	d / Emb	ankment				
				^						tion		
Horizontal Alignn	Horizontal Alignment					7	Explanation of Condition  Crest curve to west, no passing Westbound. Limited sight distance to					
Vertical Alignmer					8	6	West.		,	, 5		3
Vortical / tilgriment						Wide to	ansverse	crack	in roadway ove	r pipe - sealed		
Roadway Width (	(m)		9.400									
Troddwdy Widin			0.100									
Embankment			4	6								
Sideslope (:	1)		3.0									
(Height of Cove	er(m) :	2.4)										
Guardrail (Y/N)			No									
Approach Road	/ Emb	ankmar	of Conoral Bat	ina	6	6						
	<i>,</i> =1110	ankillel	General Kat	9								
						Upstre	am End					
Culvert Compor	nent				Last	Now	Explar	ation of	Condi	tion		
Direction					S							
End Treatment (Others, None)	Concre	ete, Stee	I, STEEL									
Headwall					Х	X						
Collar			Х	Х								
Wingwalls					Х	Х						
(Shape: )												

09432 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Cutoff Wall		X	X	
Bevel End		N	7	
Heaving (mm)	50			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		N	7	
(Type : <b>NATURAL</b> )				
(Avg. Rock Size(mm):)			_	
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
Spouroum End Contra Nating				
				Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat		Span (mm	ı):	, Rise (mm): 2430, Type: SP)
Barrel Last Accessible Date	05-Jul-2011			
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)			-	
Roof		7	7	
Measured Rise (mm)	2335	,		
Measured At Ring No.	2333			_ @ cl
Sag (mm)	95			-
Percent Sag	4			-
	4	7	7	
Sidewall Managered Span (mm)	2530	7	7	At c/l.
Measured Span (mm)	2530			
Measured At Ring No.	400			
Deflection (mm)  Percent Deflection	100			
	4		_	
Floor		N	7	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		7	7	
Separation (mm)	0			
Longitudinal Seams		7	7	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		6	6	Minor superficial rust on half of culvert.
Corrosion By Soil (Y/N)				1
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Camber 1 OS/ZERO/NEG	LINU			

		Brid	dge Cu	Ivert Barrel
Culvert Component		Last Now		Explanation of Condition
(Pipe #: 1, Primary Span, Location Code: MAIN, Spa			):	, Rise (mm): 2430, Type: SP)
Ponding (Y/N) No				
Fish Passage Adequacy			6	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	7	
		D	ownsti	eam End
Culvert Component		Last	Now	Explanation of Condition
Direction		N		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	X	
Wingwalls		X	X	
(Shape: )				
Cutoff Wall		Х	X	
Bevel End		N	5	Fill starting to settle @ bevel ~300mm. Crown cut & bent upward
Heaving (mm)	0			~200mm.
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		N	5	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : <b>200</b> )		T	T	
Scour/Erosion		N	5	
Beavers (Y/N)	No			
Downstream End General Ratio	ng	5	5	
		S	tructu	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)		1		
Alignment		7	7	
Bank Stability		8	7	
HWM (m below Top of Culvert)				HWM not visible
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading  DEGRADING				
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		7	7	

Structure Usage									
	La	ast	Now	Explanation of Condition					

		Maintenan	ce Recommendations				
Inspector Recommendations	Year	Inspector Comments	Department Con	nments	Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS							
PLACE ADDITIONAL RIP RAP							
REMOVE DRIFT ACCUMULATION							
INSTALL CONCRETE/STEEL LINING	3						
INSTALL STRUTS							
INSTALL CONCRETE COLLAR/CUT	OFF						
REPAIR SEAMS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/N (%)	low) 77.8/7	7.8 Sufficiency Rating (I	_ast/Now) 74.2/74.1	Est. Repl. Yr 2020	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated Tota	I 0	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Dave Lam		Previous Assistant's Name	Bryce Clayton			
	05.0 4.004.4		Previous Inspection Date	ous Inspection Date 12-Mar-2008			
Next Inspection Date	05-Oct-2014		i revious inspection date	12 IVIAI 2000			
Next Inspection Date Inspection Cycle (Default) (months)	05-Oct-2014 39		1 Tevious inspection Date	12 Wai 2000			