				Bridg	e Culve	ert Inspec	ction						
Bridge File Number 81517 -1 Bridge Culvert						Form Type		CUL1					
Year Built	1989					Lot No.			4				
Bridge or Town Nam	Jame IMPERIAL MIL					Inspecto	or Name		Wade Nanninga				
ocated Over TRIBUTARY TO PICHE RIVER, 8.11.55.9.6.2.2, WATERCRS-ST				, T		Inspector Class Assistant Name		BR CLS B					
Located On	881:20	C1 26.432											
Water Body CI./Yea	r					Assistant Class			16 San 2010				
Navigabil. Cl./Year						Inspection Date		16-Sep-2010					
Legal Land Location	NW SE	C 10 TWP 70 F	RGE 11 W	/4M		Data Entry By			Theresa Lacusta				
Longitude, Latitude		:25, 55:02:47				Data Entry Date Reviewer Name			05-Oct-2010				
Road Authority Alberta Transportation (AIT)									Arnold Assenheimer				
Contract Main. Area						Review Date		20-Sep-2010					
Clear Roadway/Ske		45 deg. (LHF)				Dept. Reviewer Name		1					
AADT/Year		2009 (A)					•		05-Oct-2010				
Road Classification	RCU-20	,				Follow-L	Јр Ву						
Detour Length (km)	250					-							
Bridge Culvert Info									1				
Number of Culverts		1											
Pipe # Barro	el	Span Rise (d		r Dia.) Type		l	_ength		Corr. Profile	PI./Slab Thickness	Shape		
1 MAI	N	-	1810		SP		115.8		152X51	3.0	ROUND		
Special Features						I			1				
Special Features Co	omment												
				Uti	lities (L	_ocated a	it)						
Utility Attachments													
Telephone		Gas											
Power						Municipa	al						
Others Fib	re optic Eas	e optic East r/w.				Problem	(Y/N)	No					
Remarks File	e tag installe	ed on top of We											
			A			d / Embar							
				Last	Now	Explanation of Condition							
Horizontal Alignment				6	6	Roadway curves across pipe. In slight sag. No passing SB.							
Vertical Alignment				6	6								
Roadway Width (m)	Roadway Width (m) 9.800												
Embankment				8	8								
Sideslope (:1)		3.0											
(Height of Cover(n	n) : 10)												
Guardrail (Y/N)		Yes											
Approach Road / E	Approach Road / Embankment General Rating			6	6								
					Upstre	am End							
Culvert Componen	t			Last	Now	Explana	tion of C	ondi	tion				
Direction				W		_							
End Treatment (Con Others, None)	icrete, Stee	I, STEEL											
Headwall				X	X								

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Wingwalls			X	
(Shape :)				
Cutoff Wall			X	
Bevel End		7	6	
Heaving (mm)	300			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	0			
Scour Protection		5	5	
(Type : RIP RAP)				-
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		5	5	
Beavers (Y/N)	No			
Upstream End General Rating		7	5	
		Brid	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 1810, Type: SP)
Barrel Last Accessible Date	09-Sep-2010			
Special Features				
Special Feature				
(Туре :)				
Special Feature				
(Туре :)				
Roof		6	5	
Measured Rise (mm)	1710			
Measured At Ring No.				
Sag (mm)	100			
Percent Sag	6			
Sidewall	1	5	3	Perforation in lower sidewall 20m from d/s end. (North side)
Measured Span (mm)	1910			
Measured At Ring No.				-
Deflection (mm)	100			-
Percent Deflection	6		_	
Floor		6	6	
Bulge (mm)	0			
Measured At Ring No.				Minor.
Abrasion (Y/N)	Yes		_	
Circumferential Seams		7	7	
Separation (mm)	0			
Longitudinal Seams	0	6	6	No signs of buckling, bottom row of longitudinal seams. Bolts on bottom seam rusting & leaking.
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)	No		_	
Coating		5	3	Some corrosion on sidewalls. Perforation in lower sidewall.
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)	Yes			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

81517 -1 Bridge Culvert

		Brid	dge Cu	lvert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S	Span (mm):	, Rise (mm): 1810, Type: SP)				
Camber POS/ZERO/NEG	NEG							
Ponding (Y/N)	No							
Fish Passage Adequacy	1	6	6					
Baffle		X	X					
(Туре :)								
Waterway Adequacy		7	7	(11/Oct/2000)				
Icing (Y/N)	Yes			200mm silt in last 1/3 of pipe.				
Silting (Y/N)	Yes							
Drift (Y/N)	No							
Barrel General Rating		5	3					
-		_						
Culvert Component		Last	ownst Now	ream End Explanation of Condition				
Direction		E						
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		X	Х					
Collar			X					
Wingwalls		X	X					
(Shape:)								
Cutoff Wall		X	X					
Bevel End		7	7					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	300							
Scour Protection		5	4	Scour hole at outlet 4mWx1mDx3mL				
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 200)								
Scour/Erosion		5	4					
Beavers (Y/N)	No							
Downstream End General Rati	ng	7	4					
		S	Structu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment		7	7					
Bank Stability		7	7					
HWM (m below Top of Culvert)				HWM not visible.				
Drift (Y/N)	Yes			Willows in channel.				
Channel Bottom Degrading/Aggrading	DEGRADING							
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							

Structure Usage								
	Las	t Nov	Explanation of Condition					
Channel General Rating	7	7						

Maintenance Recommendations											
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/CUTC	DFF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No (%)	ow)	55.6/33.	3 Sufficiency Rating (Last/Now) (%)) 63	3.7/47.3	7.3 Est. Repl. Yr 2029		Maint. Re	qd. (Y/N)	No	
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date		E	Estimated Total	0		
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Dave Lam			Pre	evious A	s Assistant's Name						
Next Inspection Date	16-Dec	-2013	Pre	evious In	s Inspection Date 13-Jun-2007						
Inspection Cycle (Default) (months) 39											
Comment											