					Brida	e Culve	ert Insp	ection					
Bridge File Number 80896 -		80896 -1	896 -1 Bridge Culvert							CUL1			
		1985	_			Lot N				4			
Bridge or Town Name CONKL							Inspector Name		Wade Nanninga				
		1		STINA R	IVER.		Inspector Class		BR CLS B				
			TRIBUTARY TO CHRISTINA RIVER, 8.11.39.4.9, WATERCRS-ST				Assistant Name						
Located On 881:22 C			C1 18.804				Assistant Class						
Water Body CI./Year								Inspection Date 09-Sep-2010					
Navigabil. Cl./Y	'ear		-					Data Entry By Theresa Lacusta					
Legal Land Location SW S		SW SEC						Data Entry Date 21-Sep-2010					
Longitude, Latitude -110		-110:56:	0:56:02, 55:44:29					Reviewer Name Arnold Assenheimer					
Road Authority Alberta			a Transportation (AIT)				- Review Date			16-Sep-2010			
Contract Main. Area CMA07									Brent Herrick				
Clear Roadway	//Skew	10 / 30 d	deg. (RHF)				Dept. Review Date		05-Oct-2010				
AADT/Year		790 / 200	09 (A)					ollow-Up By		03-001-2010			
Road Classifica	ation	RCU-209	9-110				ом-ор бу						
Detour Length	(km)	250											
Bridge Culvert	t Inform	nation											
Number of Culv	verts	1	l										
Pipe #	Barrel	5	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN	1	1724	1901		SPE		64.6		152X51	3.0	ELLIPSE	
Special Feature	es												
Special Feature	es Comi	ment											
					Uti	lities (L	ocated	at)					
Utility Attachme	ents						-						
Telephone							Gas						
Power					Munici								
Others Fibre optic West r/w.							Proble	m (Y/N)	No				
Remarks	File ta	ag installe	d on top of Ea										
				A		Now		ankment) on dia	len			
Harizantal Alian	amont				8	8	Explanation of Condition Near km 197.						
Horizontal Alignment				6	6	In sag							
Vertical Alignment Roadway Width (m)			10.000		0	0							
					0	•							
Embankment			8			8							
Sideslope (· · ·	`	3.0				-						
(Height of Cover(m) : 6.7)													
Guardrail (Y/N)			No										
Approach Roa	d / Eml	bankmen	t General Rat	ing	6	6							
Culvert Comp	onent				Last	Now	am End	nation of C	ondi	tion			
Culvert Component				E		слріаі		Jonun					
End Treatment (Concrete, Steel, STEEL			-		-								
Others, None)													
Headwall			X	X									
Collar			Х	Х									
Wingwalls			X	X	-								
(Shape :)													
Cutoff Wall			X	X									

Alberta Transportation

		1	Upstre	am End				
Culvert Component		Last	Now	Explanation of Condition				
Bevel End		5	5	First 2 sections heaved 400mm.				
Heaving (mm)	400							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	200		-					
Scour Protection			4					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 250)								
Scour/Erosion		6	4	Scour along bevel.				
Beavers (Y/N)	No							
Upstream End General Rating			4					
		Brie	dge Cu	Ivert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm	ı): 1724	l, Rise (mm): 1901, Type: SPE)				
Barrel Last Accessible Date	09-Sep-2010			Water 300mm deep				
Special Features								
Special Feature								
(Type :)				_				
Special Feature								
(Туре :)								
Roof		7	7					
Measured Rise (mm)	1860							
Measured At Ring No.	9							
Sag (mm)	41							
Percent Sag	1							
Sidewall		7	6					
Measured Span (mm)	1800							
Measured At Ring No.	9							
Deflection (mm)	76							
Percent Deflection	4							
Floor		N	N					
Bulge (mm)	0							
Measured At Ring No.				- Minor abrasion from gravel/rocks traveling through barrel.				
Abrasion (Y/N)	Yes							
Circumferential Seams		7	7					
Separation (mm)	0							
Longitudinal Seams	-	7	7	Neg. camber est 500 mm.				
Total No. of Cracked Rings	0							
Total No. of Rings with Two Cracked Seams	-							
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N) No				1				
Longitudinal Stagger (Y/N)	No			1				
Coating	-	5	5	Superficial corrosion lower 1/2.				
Corrosion By Soil (Y/N)	Yes		0					
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	NEG							
Ponding (Y/N)	No							

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

80896 -1 Bridge Culvert

		1		lvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Locat	ion Code: MAIN, Spa	n (mm)	: 1724	, Rise (mm): 1901, Type: SPE)
Fish Passage Adequacy			3	Need high water to exit U/S heaved sections.
Baffle			Х	
(Type:)				
Waterway Adequacy		6	6	Scour hole suggests pipe may be undersized.
Icing (Y/N)	Yes			
Silting (Y/N)	Yes			
Drift (Y/N)	No			
Barrel General Rating			6	
-		D	ownetr	eam End
Culvert Component		1	Now	Explanation of Condition
Direction		W	110 11	
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	Х	
		X		
Collar			Х	
Wingwalls			Х	
(Shape :)				
Cutoff Wall			Х	
Bevel End		6	6	
Heaving (mm) 200				
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection	-	4	4	200mm rock on embankment.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion			4	Small scour hole 5m x 2m x 1m.
Beavers (Y/N)	No			
Downstream End General Ratir	ומ	4	4	
	3			
				re Usage
Channel (II/S and D/S)		Last	Now	Explanation of Condition
Channel (U/S and D/S)		7	7	
Alignment			,	
				HWM not visible.
				Deadfall in D/S channel.
Bank Stability			7	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	Yes			Deadfall in D/S channel.
Channel Bottom				
Degrading/Aggrading				
Beavers (Y/N)	Yes			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating				

Maintenance Recommendations											
Inspector Recommendations	Year	Inspector Comments	Department Comme	Target Year	Est. Cost	Cat #					
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTC)FF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/No (%)	ow) 77.8/66	.7 Sufficiency Rating (Last/Now (%)	r) 58.8/52.2 E	58.8/52.2 Est. Repl. Yr 2029		Maint. Reqd. (Y/N) N					
Special Comments for Next Inspection	nd inloet heavir consider instal	ng. ling collar.	Department Comments								
Maintenance Reviewed By			Date		Estimated Total	0					
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name	Dave Lam	Pre	evious Assistant's Name								
Next Inspection Date	09-Dec-2013	Pre	evious Inspection Date								
Inspection Cycle (Default) (months) 39											
Comment											