					Brida	e Culve	ert Inspe	ection					
Bridge File Nu	ge File Number 13600 -1 Bridge Culvert				Dirag	,c Guive				CUL1			
Year Built 1979							Lot No.		4				
Bridge or Town	n Name						Inspector Name		Owen Salava				
Located Over			RY TO IRON	CREEK.	5.16.1,		·		BR CLS A				
		WATERO	CRS-ST			· ,		nt Name					
Located On		869:02 C	2 C1 3.146				Assistant Class						
Water Body CI	./Year						Inspection Date		28-Jun-2012				
Navigabil. Cl./Year						Data Entry By		Marcia Chavez					
3		NW SEC						Data Entry Date		15-Jul-2012			
		-111.30.37 52.36.28					Reviewer Name		John O'Brien				
		Alberta Transportation (AIT)					Review Date		05-Jul-2012				
Contract Main. Area CMA16		CMA16	16					Dept. Reviewer Name			es		
Clear Roadway/Skew 8.4 / 3		8.4 / 30 c	1 / 20 dog (PUE)					Dept. Review Date		19-Jul-2012			
AADT/Year		510 / 201	1 (A)				Follow-Up By		10 001 2012				
Road Classific	ation	RAU-209	)-110			T ollow-op by							
Detour Length	(km)	5											
Bridge Culver	t Inform	nation											
Number of Cul	verts	1											
Pipe #	Barrel	S	Span	Rise (or	Dia.)	Туре	Length			Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN	3	495	3854		SPE		43.9		152X51	3.5	ROUND	
Special Featur	es												
Special Featur		ment											
•													
					Ut	ilities (L	ocated	at)					
Utility Attachm	ents												
Telephone West r/w.						Gas							
Power	3 wire O/H East r/w.						Municip	oal					
Others	Others						Probler	n (Y/N)	No				
Remarks													
				Ap				ankment					
							1	ation of C					
Horizontal Alig					8	8		ction 70m ouced sag		i. e with no passi	na on hills.		
Vertical Alignm			0.400		7	7	i i			•			
Roadway Widt	n (m)		8.400										
Embankment			_		7	7							
Sideslope (_	_:1)		3.0										
(Height of Co	•	: 2)											
Guardrail (Y/N		,	No										
Approach Roa	ad / Eml	bankment	t General Rat	ing	7	7							
Culvert Cer							am End		'ar!'	lion			
Culvert Component			Last W	Now	∟xpian	ation of C	ondi	UON					
Direction  End Treatment (Concrete, Steel, STEEL		CTETI		VV		-							
Others, None)	i (Concr	ete, Steel,	SIEEL										
Headwall					Х	X							
Collar				Х	X								
Wingwalls				X	X								
(Shape: )													
Cutoff Wall			Х	X									
	Cuton Wan												

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		7	7	
Heaving (mm)	100			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	400			
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : <b>300</b> )				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Bri	dge Cu	lvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN,			· ·
Barrel Last Accessible Date	13-Feb-2006		•	Viewed from ends. Water 1.5m deep.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	7	Shape looks good.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	0			
Percent Sag				
Sidewall		7	7	Minor superficial staining at bolt line.
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)	100			
Percent Deflection				
Floor		N	N	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		N	N	
Separation (mm)	0	- 1		
Longitudinal Seams	-	N	N	
Total No. of Cracked Rings	0	IV	14	-
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			
Coating		6	6	
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

Bridge Culvert Barrel											
Culvert Component		Last	Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	): 3495	, Rise (mm): 3854, Type: SPE)							
Fish Passage Adequacy			7								
Baffle			Х								
(Type:)											
Waterway Adequacy		7	7								
Icing (Y/N)	No										
Silting (Y/N)	No										
Drift (Y/N)	No										
Barrel General Rating			N	G.R. was "6" from 13/Feb/2006.							
Downstream End											
Culvert Component		Last	Now	Explanation of Condition							
Direction		Е									
End Treatment (Concrete, Steel, Others, None)	STEEL										
Headwall		X	X								
Collar			Х								
Wingwalls			X								
(Shape: )											
Cutoff Wall			X								
Bevel End		7	7								
Heaving (mm)	100										
Invert Above/Below Stream Bed BELOW											
Above/Below (mm) 300											
Scour Protection		7	7								
(Type : RIP RAP)											
(Avg. Rock Size(mm) : 300)											
Scour/Erosion		7	7								
Beavers (Y/N)	No										
Downstream End General Ratio	ng	7	7								
		s	tructur	re Usage							
		Last	Now	Explanation of Condition							
Channel (U/S and D/S)			1								
Alignment			6	Curve 20m U/S.							
Bank Stability			6								
HWM (m below Top of Culvert)				HWM not visible.							
Prift (Y/N) No											
Channel Bottom Degrading/Aggrading											
Beavers (Y/N) No											
(Fish Compensation Measure 1 :	NONE)										
(Fish Compensation Measure 2 :	NONE)										
Channel General Rating		6	6								

			Maintena	ance Recommer	dations					
Inspector Recommendations	Year	Inspecto	r Comments		Department Com	nments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	<b>)</b>									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUTO	OFF									
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										$\perp$
OTHER ACTION										
Structural Condition Rating (Last/N (%)	ow) 55.6/5	5.6	Sufficiency Rating (%)	g (Last/Now)	66.1/66.1	Est. Repl. Yr	2031	Maint. Re	eqd. (Y/N)	No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	Estimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Owen Salava			Previous	s Assistant's Name	Assistant's Name				
Next Inspection Date	28-Sep-2015			Previous	Inspection Date	28-Aug-2009				
Inspection Cycle (Default) (months)	39									
Comment										