				Brida	e Culve	ert Inspe	ection						
Bridge File Numbe	er 70904 -	70904 -1 Bridge Culvert				Form Type			CUL1				
Year Built	1972					Lot No.	••		2				
Bridge or Town Na						Inspector Name			– Todd Warshawski				
Located Over	BRYAN	CREEK, 8.11. CRS-ST	107.33.16	,		Inspector Class		BR CLS B					
Located On		1 6.656					Assistant Name Assistant Class						
Water Body CI./Ye	ar								31-Oct-2012				
Navigabil. Cl./Year	r					· · ·	ion Date			ata			
Legal Land Locatio	cation NE SEC 15 TWP 49 RGE 21 W5M					Data Entry By Data Entry Date			Theresa Lacusta				
	ngitude, Latitude -116:59:07, 53:13:45					Reviewer Name		19-Nov-2012					
	bad Authority Alberta Transportation (AIT)					Reviewer Name Review Date							
Contract Main. Are									13-Nov-2012				
Clear Roadway/Sk						Dept. Reviewer Name							
AADT/Year	i	2011 (A)				Dept. Review Date		20-Nov-2012					
Road Classification		· · · ·				Follow-Up By							
Detour Length (km		0 110				-							
Bridge Culvert Inf													
Number of Culvert	1	1											
		Span	Rise (or I	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1 M.C	AIN	2905	3203		SPE		63.4		152X51	3.5	ELLIPSE		
Special Features		2303	5205				00.4		102/01	0.0			
Special Features C	Comment												
-													
	ĺ			Uti	ilities (L	ocated	at)						
Utility Attachments								1					
Telephone E	East r/w. Gas												
Power 5	wires West r	es West r/w.					bal						
Others							m (Y/N)	No					
Remarks Fi	ile tag preser	nt, exterior U/S	end roof.										
			Ap	oproa			ankment						
				Last	Now	Explan	ation of	Condi	tion				
Horizontal Alignment			6	6		Access to Robb to North. Gentle curve. No passing N/B. Acceleration & decleration lanes.							
Vertical Alignment				6	6	Long sa		0 passi	ng N/B. Accele		allon lanes.		
Roadway Width (m	n)	10.200											
Embankment				5	5								
Sideslope (:1)		2.5				1							
(Height of Cover													
Guardrail (Y/N) Yes					Several loose connections.								
					Strike damage on E & W rail with several borken postsphoto								
Approach Road /	Embankme	nt General Rat	ing	6	6								
					Upstre	am End							
Culvert Compone	ent			Last			ation of	Condi	tion				
Direction				W									
End Treatment (Co	oncrete, Stee	I, STEEL											
Others, None)													
Others, None) Headwall				Х	Х								
				x x	X X								
Headwall													

Alberta Transportation

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Cutoff Wall		X	X							
			<u> </u>							
Bevel End		5	5	Bevel projects from fill 1000mm. Upper bevl pushed inwardphoto						
Heaving (mm)	600									
Invert Above/Below Stream Bed	ABOVE			-						
Above/Below (mm)	150									
Scour Protection		4	4	Settlement of ground around bevel.						
(Type : RIP RAP)				-						
(Avg. Rock Size(mm) : 250)		1	-							
Scour/Erosion		4	4	Loss of fill along bevelphoto						
Beavers (Y/N)	No									
Upstream End General Rating		4	4							
		Brid	dge Cu	lvert Barrel						
Culvert Component		Last		Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm								
Barrel Last Accessible Date	31-Oct-2012									
Special Features										
Special Feature										
(Type:)										
Special Feature										
(Type :)			-							
Roof		5	6							
Measured Rise (mm)	3026	5	0							
	14									
Measured At Ring No.	14									
Sag (mm)	5									
Percent Sag	C									
Sidewall	0400	5	5							
Measured Span (mm)	3120			-						
Measured At Ring No.	14			-						
Deflection (mm)	215			-						
Percent Deflection	7									
Floor	1	6	6							
Bulge (mm)	0			-						
Measured At Ring No.				-						
Abrasion (Y/N)	No		-							
Circumferential Seams	1	7	7							
Separation (mm)	0									
Longitudinal Seams	1	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)	No									
Longitudinal Stagger (Y/N)	No									
Coating		5	6	Stains at upper seams/bolts.						
Corrosion By Soil (Y/N)	Yes									
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

70904 -1 Bridge Culvert

		Brid	dge Cu	Ivert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	ın (mm): 2905	, Rise (mm): 3203, Type: SPE)
Ponding (Y/N)	No			
Fish Passage Adequacy		4	4	Hanging outlet.
Baffle		X	X	
(Type :)				
Waterway Adequacy		5	5	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		5	5	
		D	ownstr	ream End
Culvert Component			Now	Explanation of Condition
Direction		E		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	Х	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		X	Х	
Bevel End		5	5	
Heaving (mm)	400			
Invert Above/Below Stream Bed	ABOVE			-
Above/Below (mm)	600		1	
Scour Protection		4	5	
(Type : RIP RAP)				-
(Avg. Rock Size(mm) : 500)			1	
Scour/Erosion		4	5	
Beavers (Y/N)	No			
Downstream End General Ratir	ng	4	5	
	1		1	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)			-	
Alignment		5	6	
Bank Stability		5	5	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	Yes			
Channel Bottom Degrading/Aggrading	DEGRADING			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :				
Channel General Rating		5	6	

Maintenance Recommendations												
Inspector Recommendations Ye		'ear	Inspector Comments	Department Comments				Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP	20	013	25m3 CL2 at inlet.									
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTOFF												
REPAIR SEAMS												
OTHER ACTION		013	Repair damaged guardrail/posts.									
OTHER ACTION	20	013	Tighten loose guardrail connections.									
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/Now) (%)		55.6/55.6 Sufficiency Rating (Last/N (%)		ow) 4	2.9/44.6	Est. Repl. Yr	2030	Maint. Red	qd. (Y/N)	Yes		
Special Comments for Next Inspection					Department Comments							
Maintenance Reviewed By					Date		E	stimated Total	0			
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name Bryan Wai P				Previous A	Previous Assistant's Name Junaid Iqbal							
		1-Jul-2014 F			Previous Inspection Date 04-Oct-2			Dct-2012				
Inspection Cycle (Default) (months)	21											
Comment												