Bridge Culvert Inspection													
Bridge File Nur	mher	09659 -	1 Bridge Culve		Bridg	e cuive	Form T		CULM				
Year Built	liber	1986					Lot No.						
Bridge or Towr	Name							tor Name	Melanie Johnson				
Located Over	Indiffe	1	ATER RIVER, 6.63, WATERCRS-ST					tor Class	BR CLS B				
Located Over								int Name					
Water Body Cl	Near	001.02						int Class					
Navigabil. CI./								tion Date	29 Jun 2011				
				1.1.1					28-Jun-2011				
								ntry By		Theresa Lacusta			
			:51, 53:56:57	() ()			Data Entry Date Reviewer Name		06-Jul-2011				
			Transportation	(AIT)									
Contract Main.		CMA09					Review		Durantillamiala				
Clear Roadway	y/Skew	9.2/	0040 (A)				· · · · · · · · · · · · · · · · · · ·		Brent Herrick				
AADT/Year			2010 (A)				· ·	Review Date	18-Jul-2011				
Road Classifica		RCU-20	9-110				Follow	Ор Ву					
Detour Length		6											
Bridge Culver			0										
Number of Cul			2	D: (T		1 4	0 0 0				
Pipe #	Barrel		Span	Rise (or I	Dia.)	Туре		Length	Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	1600		MP		27	125X26	2.8	ROUND		
2	MAIN		-	1600		MP		27	125X26	2.8	ROUND		
Special Feature	es												
Special Feature	es Comi	ment											
					1 14	lition /l	ocated	at)					
Utility Attachme	onto				υu	iities (L		al)					
	South	* /					Gas						
Telephone			h =/										
Power	ТОП	line Nort	n i/w.				Munici						
Others Remarks BF tag installed on top of West pipe So					م جا جائد،		Proble	m (Y/N) No					
Remarks	BF tag	g installe	a on top of we				l / Emale	- n l cm o n t					
							1	ankment ation of Cond	ition				
Horizontal Alig	nment				9	7	Clear sight distance for 1 km & both directions.						
Vertical Alignm					8	8	fIELD ACCESS AT ne -20M FROM CULVERTS. HWY 44 INTERSECTION-800M WEST.						
							Patched over pipes . Transverse cracks developed, full width of roadway.						
Roadway Widt	h (m)		9.200										
Embankment					6	6							
Sideslope (_:1)		3.0				1						
(Height of Co		1.5)					1						
Guardrail (Y/N)	`, <i>`</i>		No										
Approach Roa	Approach Road / Embankment General Rating					7							
						Upstre	am End						
Culvert Comp	onent				Last			ation of Cond	ition				
(Pipe # : 1, Sp		e: Prima	ry Span)										
Direction					s		West p	ipe - tagged.					
End Treatment Others, None)	t (Concre	ete, Stee	I, STEEL										
Headwall					Х	X							

			Upstre	am End
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Span Type: Primar	y Span)			
Collar	· · · · ·	X	Х	
Wingwalls		X	Х	
(Shape :)				
Cutoff Wall		X	X	
Bevel End		N	7	
Heaving (mm)	50		1	
Invert Above/Below Stream Bed				
Above/Below (mm)	200			
Scour Protection	200	N	7	
(Type :)			,	
(Avg. Rock Size(mm) :)				
Scour/Erosion		N	7	
Beavers (Y/N)	No			
		-	-	
Upstream End General Rating		6	7	
		Brie	dge Cu	lvert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 1, Primary Span, Loca	ition Code: MAIN, Sp	an (mm):	, Rise (mm): 1600, Type: MP)
Barrel Last Accessible Date	28-Jun-2011			
Creater Factures				
Special Features				
Special Feature				
(Type:)				-
Special Feature				
(Type:)		0	-	
Roof	4040	8	7	
Measured Rise (mm)	1640			-
Measured At Ring No.	3			-
Sag (mm)	40			-
Percent Sag	3	0	-	
Sidewall	4500	8	7	
Measured Span (mm)	1590			-
Measured At Ring No.	40			-
Deflection (mm)	10			-
Percent Deflection	1		-	
Floor		N	7	
Bulge (mm)	0			-
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		N	7	
Separation (mm)	50			
Longitudinal Seams		X	X	
Total No. of Cracked Rings				-
Total No. of Rings with Two Cracked Seams				-
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 1600, Type: MP)					
Coating		4	4	Pitting rust lower 1/3.					
Corrosion By Soil (Y/N)									
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								
Fish Passage Adequacy		7	7	(Minnoes swimming in culvert. Aug/21/01)					
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						
			ownetr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Span Type: Primary	(Snan)	Last	140 **						
	(Span)	N		West size					
	OTEEL	N		West pipe.					
End Treatment (Concrete, Steel, Others, None)	STEEL		1						
Headwall		X	X						
Collar		X	Х						
Wingwalls		X	X						
(Shape :)									
Cutoff Wall		X	Х						
Bevel End		N	7						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	300								
Scour Protection		N	7						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 200)									
Scour/Erosion		N	7						
Beavers (Y/N)	No		1						
Downstream End General Ratir	ng	7	7						
			Upstre	am End					
Culvert Component		Last		Explanation of Condition					
(Pipe # : 2, Span Type: Second	ary Span)								
Direction	. /	S		East pipe.					
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall	I	Х	X						
Collar		X	X						

			Unstre	eam End
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Span Type: Second	arv Span)	Laor	Inch	
Wingwalls		X	X	
(Shape :)				-
Cutoff Wall		X	X	
			~	
Bevel End		N	7	_
Heaving (mm)	100			
Invert Above/Below Stream Bed	BELOW			_
Above/Below (mm)	200			
Scour Protection		N	7	
(Туре :)				_
(Avg. Rock Size(mm) :)				
Scour/Erosion		N	7	
- 0.00				
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		-		
				lvert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN	, Span (ı	mm):	, Rise (mm): 1600, Type: MP)
Barrel Last Accessible Date	29-Jun-2011			
Special Features				
Special Feature				
(Type :)				
Special Feature				-
(Type :)		I		
Roof		4	5	Small hole in top of roof where exposed at South end.
Measured Rise (mm)	1590		0	
Measured At Ring No.	29			-
Sag (mm)	108			-
Percent Sag	16			-
Sidewall	10	8	7	
Measured Span (mm)	1610		1	-
Measured At Ring No.	21			-
Deflection (mm)	101			-
Percent Deflection	12			-
Floor		N	7	
Bulge (mm)	0	IN	1	
Measured At Ring No.	U			-
Abrasion (Y/N)	No			-
Circumferential Seams		N	7	
Separation (mm)	50	IN	1	
	50	V	V	
Longitudinal Seams		X	X	
Total No. of Cracked Rings				-
Total No. of Rings with Two Cracked Seams				-
Min. Remaining Steel Between Cracks (mm)				_
Proper Lap (Y/N)				-
Longitudinal Stagger (Y/N)				

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	pan (n	nm):	, Rise (mm): 1600, Type: MP)					
Coating		4	4	Pitting rust starting to develop on lower1/3.					
Corrosion By Soil (Y/N)									
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								
Fish Passage Adequacy		7	7	(Minnoes swimming in culvert. Aug/21/01)					
Baffle		Х	Х						
(Type :)			-						
Waterway Adequacy		7	7						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		4	5						
		D	ownstr	eam End					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 2, Span Type: Second	ary Span)								
Direction		Ν		East pipe.					
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		Х	X						
Collar		Х	Х						
Wingwalls		Х	Х						
(Shape :)									
Cutoff Wall		Х	Х						
Bevel End		Ν	7						
Heaving (mm)	100								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	200								
Scour Protection		Ν	7						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 200)			1						
Scour/Erosion		Ν	7						
Beavers (Y/N)	No								
Downstream End General Ratir	ng	7	7						
		S	tructu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment		7	7	Mostly swampy marsh land U/S & D/S. Small pond D/S 50m.					
Bank Stability		7	7						
HWM (m below Top of Culvert)				HWM not visible.					

Structure Usage								
		Last	Now	Explanation of Condition				
Channel Bottom Degrading/Aggrading								
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		7	7					

			Maintenance Recom	nmendat	tions					
Inspector Recommendations		Year	Inspector Comments		Department Comm	ients		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)	44.4/55.6 Sufficiency Rating (Last/ (%)		r) 60.	60.0/65.5 Est. Repl. Y		2034	2034 Maint. Re		No
Special Comments for Next Inspection				C	Department Comments					
Maintenance Reviewed By				C	Date		E	Estimated Total	0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Dave L	am	Pre	evious As	Assistant's Name Bryce Clayton					
		-2014	Pre	evious Ins	s Inspection Date 12-Mar-2008					
Inspection Cycle (Default) (months) 39										
Comment										