					Brida	e Culve	ert Inspe	ection					
Bridge File Number 74561 -1 Bridge Culvert							Form T			CUL1			
Year Built 1956								Lot No.		4			
Bridge or Town Name BOYLE						Ins		Inspector Name		Eric Carcoux			
Located Over TRIBUTARY TO FLAT CREEK, 8.11.55.5.8.1, WATERCRS-ST						Inspector Class		BR CLS A					
Located On			C1 32.280		-		Assistant Name						
Water Body Cl.	/Year						Assistant Class		40.1.0040				
Navigabil. CI./Y									13-Jan-2012				
Legal Land Loc		SW SE	C 34 TWP 65	RGE 19 W4	M		Data Entry By			Theresa Lacusta			
							Data Entry Date 22-Jan-2012						
Longitude, Latitude-112:48:12, 54:40:02Road AuthorityAlberta Transportation (AIT)							Reviewer Name Arnold Assenheimer						
Contract Main. Area CMA07						Review Date			16-Jan-2012				
Clear Roadway		11 /								Brent Herrick			
AADT/Year	JOKEW		2010 (A)				Dept. Review Date Follow-Up By		02-Feb-2012				
Road Classifica	tion		11.8-110										
Detour Length		5	11.0-110				_						
Bridge Culvert	. ,	-								I			
Number of Culver		ation	1										
	Barrel		Span	Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		2489	1753		RPP		20.7		152X51	3.0	PIPE ARCH	
Special Feature											0.0	1 /	
Special Feature		ment											
opeolar r catare		non											
					Uti	lities (L	ocated	at)					
Utility Attachme	ents												
Telephone	West	Nest r/w.					Gas						
Power	1 wire	re East r/w.					Municipal						
Others	S						Probler	n (Y/N)	lo				
Remarks													
				Арр	oroac			inkment					
	Last					Now	Explanation of Condition						
<b>v</b>	Horizontal Alignment				7	7	Pipe is between a road allowance and an approach East side.						
Vertical Alignment					9	9	No file tag installed.						
Roadway Width	n (m)		11.000										
Embankment					6	6							
Sideslope (	:1)		1.0			-							
(Height of Co		0.5)	-				1						
Guardrail (Y/N)		- /	No				Pipe does not meet clear zone requirements. Top of inlet is 2m from edge of road.						
						edge o	road.						
Approach Roa	d / Eml	bankme	ent General Ra	ating	7	7							
						Upstre	am End						
Culvert Compo	onent			L	ast	Now	Explan	ation of Co	ondi	tion			
Direction				E	Ξ				_				
End Treatment Others, None)	(Concre	ete, Stee	el, STEEL										
Headwall					Х	Х							
Collar				Х	Х	1							

Alberta Transportation

Upstream End									
Culvert Component		Last	Now	Explanation of Condition					
Wingwalls		Х	X						
(Shape : )									
Cutoff Wall		Х	Х						
Bevel End		5	5						
Heaving (mm)	100								
Invert Above/Below Stream Bed									
Above/Below (mm)	0								
Scour Protection		4	5						
(Type : <b>NATURAL</b> )									
(Avg. Rock Size(mm) : )									
Scour/Erosion		4	5						
Beavers (Y/N)	No								
Upstream End General Rating		5	5						
		Bric	dge Cu	lvert Barrel					
Culvert Component				Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm							
Barrel Last Accessible Date	12-Jan-2011								
Special Features			1						
Special Feature									
(Type : )			1	-					
Special Feature									
(Туре : )			1						
Roof		6	6						
Measured Rise (mm)	1705			-					
Measured At Ring No.	6			-					
Sag (mm)	48			-					
Percent Sag	3		1						
Sidewall	I	5	4	Cracked seam					
Measured Span (mm)	2568			-					
Measured At Ring No.	6			-					
Deflection (mm)	79			-					
Percent Deflection	3		1						
Floor	I	5	5	-					
Bulge (mm)	50			-					
Measured At Ring No.	6			-					
Abrasion (Y/N)	No		1						
Circumferential Seams	I	4	4	13 bolts missing on longitudinal and circumferential seams.					
Separation (mm) 0			-						
Longitudinal Seams		4	4	Some bolts have insufficient thread & others appear to be backing					
Total No. of Cracked Rings	1			out of bolt.					
Total No. of Rings with Two Cracked Seams	0								
Min. Remaining Steel Between Cracks (mm)	110								
Proper Lap (Y/N)	No								
Longitudinal Stagger (Y/N)	No								
Coating		4	4	Floor has 25% pitting & heavy scaling on lower.					
Corrosion By Soil (Y/N)	No								
Corrosion By Water (Y/N)	Yes								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

74561 -1 Bridge Culvert

		Bri	dge Cu	Ivert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Sp	oan (mm	n): 2489	, Rise (mm): 1753, Type: RPP)
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			
Fish Passage Adequacy			6	
Baffle		X	Х	
(Type:)				
Waterway Adequacy		6	6	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating	•	4	4	
		D	ownst	ream End
Culvert Component			Now	Explanation of Condition
Direction		W		
End Treatment (Concrete, Steel, Others, None)	STEEL		_	
Headwall		X	X	
Collar		X	X	
Wingwalls		Х	Х	
(Shape : )			_	
Cutoff Wall		X	X	
Bevel End		4	4	Bevel sections not lapped properly & missing 22 bolts - photo.
Heaving (mm)	100			
Invert Above/Below Stream Bed	ABOVE			_
Above/Below (mm)	200		-	
Scour Protection		5	5	-
(Type : <b>RIP RAP</b> )				-
(Avg. Rock Size(mm) : 200)			-	
Scour/Erosion		5	5	
Beavers (Y/N)	No			
Downstream End General Rati	ng	4	4	
				re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)		8		
Alignment			8	
Bank Stability			7	
HWM (m below Top of Culvert)			1	HWM not visible.
Drift (Y/N)	Yes			
Channel Bottom				
Degrading/Aggrading				-
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :				-
(Fish Compensation Measure 2 :	NONE)			

Structure Usage									
	Las	st N	Now	Explanation of Condition					
Channel General Rating	7	,	8						

Maintenance Recommendations												
Inspector Recommendations		Year	Inspector Comments		Department Com	ments	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)	44.4/44.4	4 Sufficiency Rating (Last/Now (%)	v) 4	9.6/49.9	Est. Repl. Yr	2020	Maint. Red	Maint. Reqd. (Y/N)			
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	Todd V	Varshaws	ski Pre	evious A	Assistant's Name							
Next Inspection Date	13-Oct-	-2013	Pre	evious Ir	s Inspection Date 02-Mar-2010							
Inspection Cycle (Default) (months)	21											
Comment												