					Brido	e Culve	ert Inspe	ection						
Bridge File Number 74521 -1 Bridge Culvert						Form Type			CUL1					
Year Built 1955							Lot No.			4				
Bridge or Town	Name	RAYMO	DND				Inspector Name			Jon Davies				
Located Over		2ND OR	DER TRIBUTA				Inspector Class		BR CLS B					
		RESER	/OIR, 11.9.6.3	.1.1, WAT	TERCE	RS-ST	Assistant Name							
Located On		506:02 (21.330				Assistant Class							
Water Body Cl.	./Year						Inspection Date		04-Jun-2012					
Navigabil. Cl./Year							Data Entry By		Kelsey Roberts					
Legal Land Location SE SEC 2		2 TMD 5 DCE 20 MAM				Data Entry Date		23-Jun-2012						
Longitude, Latitude -112:35:06		06, 49:20:55				Reviewer Name		Garry Roberts						
Road Authority Alberta Tra		Fransportation (AIT)				Review Date		15-Jun-2012						
Contract Main. Area CMA25						Dept. Reviewer Name								
Clear Roadway/Skew 12.2 /						Dept. Review Date		29-Jun-2012						
AADT/Year		290 / 20)11 (A)				Follow-Up By		20 0011-20 12					
Road Classifica	ation	RCU-20					I dilow-op by							
Detour Length	(km)	3												
Bridge Culvert		nation												
Number of Culv	verts	•	1								1			
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	-		2430		SP		49.4		152X51	3.0	ROUND		
Special Features														
Special Feature	es Comi	ment												
					Ut	ilities (L	ocated	at)						
Utility Attachme														
Telephone SOUTH DITCH							Gas							
Power							Municip							
Others							Probler	n (Y/N) N	lo					
Remarks														
				A				ankment	ndi	ion				
Horizontal Align	nment				8	7	Explanation of Condition Bottom of a sag							
Vertical Alignm					6	6	Bottom	or a sag						
Roadway Width			9.600											
Ttodaway Widt	(111)		3.000											
Embankment					7 7									
Sideslope (_:1)		3.0				-							
(Height of Co	ver(m)	7)												
Guardrail (Y/N)			No											
Approach Roa	ad / Eml	bankmen	t General Rat	ing	6	6								
						Unstre	am End							
Culvert Compo	onent				Last	Now		ation of Co	ondi	ion				
Direction	<u> </u>					1.1011	SOUTH		J.I.G.I.					
End Treatment Others, None)	(Concre	ete, Steel	, STEEL											
Headwall					Х	Х								
Collar			Х	X										
Wingwalls			Х	X										
(Shape:)			,											
Cutoff Wall				Х	X									
Cuton wan					_ ^	^								

74521 -1 Bridge Culvert

Culvert Common on t				am End					
Culvert Component		Last	Now	Explanation of Condition					
Bevel End	400	6	6						
Heaving (mm)	100								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	400		1						
Scour Protection		7	6						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 250)		1	1						
Scour/Erosion		7	6						
Beavers (Y/N)	No								
Upstream End General Rating		6	6						
		Brid	dge Cu	Ivert Barrel					
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Local	tion Code: MAIN, Spa	ın (mm	1):	, Rise (mm): 2430, Type: SP)					
Barrel Last Accessible Date	04-Jun-2012			extended both ends					
Special Features									
Special Feature									
(Type:)									
Special Feature									
(Type:)		1							
Roof		4	4	Rated 4 due to sag.					
Measured Rise (mm)	2185	7	4	Traise 4 due to say.					
Measured At Ring No.	9								
	245								
Sag (mm) Percent Sag	10								
	10	4		No shares Detail 4 due to deflection					
Sidewall	0050	4	4	No change- Rated 4 due to deflection INSTALLATION DAMAGE-holes @ rings 12 & 15 from construction					
Measured Span (mm)	2650								
Measured At Ring No.	9								
Deflection (mm)	220								
Percent Deflection	9								
Floor	I	6	N	P.R. 6 Not visible due to water and silt.					
Bulge (mm)	0			- Not visible due to water and sitt.					
Measured At Ring No.									
Abrasion (Y/N)	No								
Circumferential Seams		7	7						
Separation (mm)	0								
Longitudinal Seams		7	N	P.R. 7. Lower sidewall seam not visible.					
Total No. of Cracked Rings	0								
Total No. of Rings with Two Cracked Seams									
Min. Remaining Steel Between Cracks (mm)				Older rings improper lap & no stagger New ext rings proper lap & stagger					
Proper Lap (Y/N)	No								
Longitudinal Stagger (Y/N)	No								
Coating		5	5	Alkali corrosion at isolated roof and sidewall seams.					
Corrosion By Soil (Y/N)	Yes			Superficial rust below waterline.					
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	NEG								
Ponding (Y/N)	No								

74521 -1 Bridge Culvert

		Bric	dge Cu	lvert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe #: 1, Primary Span, Location Code: MAIN, Spa):	, Rise (mm): 2430, Type: SP)				
Fish Passage Adequacy		5	5					
Baffle		Х	Х					
(Type :)								
Waterway Adequacy		5	5	BASED ON HWM COMMENT ON PAGE 3				
Icing (Y/N)	No							
Silting (Y/N) No								
Drift (Y/N)	No							
Barrel General Rating		4	4					
, and the second								
				eam End				
Culvert Component		Last	Now	Explanation of Condition				
Direction	I			North				
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall		Х	Х					
Collar			Х					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall			Х					
Bevel End			7					
Heaving (mm)	100							
Invert Above/Below Stream Bed BELOW								
Above/Below (mm) 300								
Scour Protection			4	Riprap displaced at invert.				
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 300)								
Scour/Erosion		7	4	6m long x 5m wide scour hole extending from invert.				
Beavers (Y/N)	No							
Downstream End General Ratio	ng	7	4					
		s	tructu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment			7	(THIS SPRING HAD 100-150 YEAR FLOOD COULD ONLY SEE WHIRL POOL. 960103) 02/06/18				
Bank Stability			7	D/S banks have slumped.				
HWM (m below Top of Culvert) 4.0				No HWM visible				
Drift (Y/N)				(THIS SPRING HAD 100-150 YEAR FLOOD COULD ONLY SEE WHIRL POOL. 960103) 02/06/18				
Channel Bottom DEGRADING Degrading/Aggrading								
Beavers (Y/N) No								
(Fish Compensation Measure 1 : NONE)								
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		7	4					

			Maintena	ance Recommer	dations					
Inspector Recommendations	Year	Inspect	or 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/CUTOFF										
REPAIR SEAMS										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	low) 44.4/	/44.4	Sufficiency Rating (%)	(Last/Now)	55.4/50.5	Est. Repl. Yr	2020	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	Estimated Tota	1 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Garry Rober	rts		Previous	Assistant's Name					
Next Inspection Date	04-Sep-2015	5		Previous	Inspection Date 20-Jun-2009					
Inspection Cycle (Default) (months)	39									
Comment										