					Brida	a Culve	art Insn	ection					
Bridge File Number 02075 -1 Br			-1 Bridge Culvert				Form Type			CUL1			
Year Built		1987	Dilago Caivo				Lot No.		2				
Bridge or Town Name								tor Name		Jason Rusu			
Located Over			ARY TO MCN	AB COUL	EE.		<del> </del>			BR CLS A			
		2.12.22.1	1.1, WATERC	RS-ST	,		Inspector Class Assistant Name						
Located On 2:06		2:06 C1	17.803				Assistant Class						
Water Body Cl./Year							Inspection Date		09-Oct-2011				
Navigabil. Cl./Year								Data Entry By Alyssa Boynton					
Legal Land Location		SW SEC	8 TWP 8 RG	E 25 W4N	1		Data Entry Date			17-Nov-2011			
Longitude, Latitude		-113:21:	18, 49:37:47				Reviewer Name			Garry Roberts			
		Alberta T	ransportation	(AIT)			Review Date			09-Nov-2011			
Contract Main. Area		CMA26					Dept. Reviewer Name Tim Davies						
Clear Roadway/Skew		12 /						Dept. Review Date 21-Nov-2011					
AADT/Year		1,520 / 2	010 (A)							211107 2011			
Road Classific	ation	RAU-211	1.8-110				Follow-Up By						
Detour Length	(km)	5											
Bridge Culver	t Inform	nation											
Number of Cul	verts	1											
Pipe #	Barrel		Span	Rise (or Dia		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN			2400		MP		40		125X26	3.0	ROUND	
Special Features													
Special Featur	es Comi	ment											
Liche Au					Uti	ilities (L	ocated	at)					
Utility Attachm		-1:4 - l-					0		200				
Telephone West ditch			n Na wile			Gas 200 m north  Municipal							
Power Crosses 200m North					Problem (Y/N) No								
Others							Proble	III ( 1/IN)	INO				
Remarks				٨٢	anroa	ch Poac	l / Emb	ankment					
				<u> </u>	_				Condi	tion			
Horizontal Alignment				8	8	Road curves west 500 m north- residential road							
Vertical Alignment				9	9	200m North							
Roadway Width (m)			12.000										
Embankment				7	7								
Sideslope (:1)			4.0										
(Height of Cover(m) : 2.3)													
Guardrail (Y/N) No													
Approach Road / Embankment General Rating				8	8								
						Upstre	am Enc						
Culvert Comp	onent				Last	Now	T .	nation of	Condi	tion			
Direction				W		West		, , , , , , ,					
End Treatment Others, None)	t (Concre	ete, Steel,	STEEL										
Headwall			Х	Х									
Collar			Х	X									
Wingwalls			Х	X									
(Shape: )						<u></u>							
Cutoff Wall				Х	Х								

02075 -1 Bridge Culvert

			linstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		7	7	Explanation of Condition
Heaving (mm)	0	- '		
Invert Above/Below Stream Bed				
	50			-
Above/Below (mm)	50	7	7	Compa 000mm work at the
Scour Protection		1	7	Some 800mm rock at toe.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : <b>400</b> )			Ι_	
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
		Rri	dae Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN			, Rise (mm): 2400, Type: MP)
Barrel Last Accessible Date	09-Oct-2011		,-	,,
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		7	7	Rise measure not @ floor seam heave
Measured Rise (mm)	2330			
Measured At Ring No.	3			
Sag (mm)	70			
Percent Sag	2			
Sidewall		7	7	
Measured Span (mm)	2470			
Measured At Ring No.	3			
Deflection (mm)	70			
Percent Deflection	2			
Floor		N	5	Heave has been repaired.
Bulge (mm)	100	- 11		Trouve has been repaired.
Measured At Ring No.	2			
Abrasion (Y/N)	Yes			
Circumferential Seams	. 55	5	5	3rd seam repaired with steel pins @ floor
Separation (mm)	150	3	J	Jord Scarri repaired with Steel pills & 11001
	100	X	Х	
Longitudinal Seams Total No. of Cracked Pings		Α		
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)				
Coating	I	6	6	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

02075 -1 Bridge Culvert

		Bric	lge Cul	vert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 2400, Type: MP)
Fish Passage Adequacy		7	7	
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	
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
Direction		E		East end.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		X	X	
Wingwalls		Х	Х	
(Shape: )				
Cutoff Wall		Х	Х	
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 400)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Downstream End General Rating		7	7	
		s	tructur	re Usage
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		5	4	90 DEG TURN D/S. Poor alignment causing bank erosion
Bank Stability		6	4	Repair scour with 5m x 4 x 0.4 blast rock. Erosion close to fence line.
HWM (m below Top of Culvert)				No visible HWM
Drift (Y/N)	No			
Channel Bottom DEGRADING Degrading/Aggrading				
Beavers (Y/N)	No			
(Fish Compensation Measure 1 :	NONE)			
(Fish Compensation Measure 2 :	NONE)			
Channel General Rating		5	4	

		Maintenanc	e Recommendations				
Inspector Recommendations	Year	Inspector Comments	Department Con	nments	Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS			·				
PLACE ADDITIONAL RIP RAP	2011	Repair D/S scour 5m x 4 x 0.4m	blast rock.				
REMOVE DRIFT ACCUMULATION							
INSTALL CONCRETE/STEEL LINING	3						
INSTALL STRUTS							
INSTALL CONCRETE COLLAR/CUT	OFF						
REPAIR SEAMS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/N (%)	low) 77.8/77	7.8 Sufficiency Rating (L (%)	ast/Now) 74.1/73.3	Est. Repl. Yr 20	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated Tota	I 0	
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
	0 0 .		Previous Assistant's Name				
Previous Inspector's Name	Garry Roberts						
Previous Inspector's Name  Next Inspection Date	09-Jul-2013		Previous Inspection Date	22-Jan-2010			
•	i			22-Jan-2010			