					Brida	e Culve	ert Insn	ection						
Bridge File Num	umber 71172 -1 Bridge Culvert					C Cuive	vert Inspection Form Type			CUL1				
Year Built 1955							Lot No			2				
Bridge or Town	Name		HILLS					or Name		Dave Lam				
Located Over		TRIBUTARY TO GHOSTPINE CREEK,					Inspector Class			BR CLS A				
Locatou Over		3.50.7, V	50.7 WATEDODS ST					Assistant Name		DICCES A				
Located On		583:02 C	1 32.705				Assistant Class							
Water Body CI./	Year							tion Date		15-Jul-2011				
Navigabil. Cl./Year							Data Entry By		Marcia Chavez					
Legal Land Loca	ation	SW SEC	6 TWP 32 R	GE 22 W4	М			ntry Date		16-Aug-2011				
Longitude, Latitu	ude	-113:07:	15, 51:42:26				Reviewer Name			John O'Brien				
Road Authority		Alberta T	ransportation	(AIT)			Review			27-Jul-2011				
Contract Main. A	Area	CMA20							Nama		00			
			leg. (RHF)				·		Andrew Smikles					
AADT/Year 410 / 20						Dept. Review Date		29-Aug-2011						
Road Classification RCU-20						Follow-Up By								
Detour Length (I		3												
Bridge Culvert														
Number of Culve		1												
Pipe #	Barrel	S	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape		
1 1	MAIN	-		2400		MP		24		125X26	2.8	ROUND		
Special Features	 S											·		
Special Features		ment												
					Uti	ilities (L	ocated	at)						
Utility Attachmer	T						1							
Telephone South r/w.						Gas								
Power	4 wire	e O/H - North r/w.				Municipal			Water	ater North r/w.				
Others							Problem (Y/N) No							
Remarks														
				Aŗ				ankment	الدود و	u				
Horizontal Alignment					Last 8	8	Explanation of Condition Farm approach 50m East.							
				7	7	In bottom of shallow sag.								
Vertical Alignment  Roadway Width (m) 8.400			1	/										
Roadway Widin	(111)		0.400											
Embankment			9	7	Trans.	Trans. crack over pipe, previously sealed.								
		3.5	5											
(Height of Cov	er(m):	0.4)												
Guardrail (Y/N)			No											
Approach Road	d / Emb	oankmen	t General Rat	ing	7	7								
						Upstre	l am End							
Culvert Compo	nent				Last	Now		ation of	Condi	tion				
		N												
End Treatment ( Others, None)	(Concre	ete, Steel	STEEL				-							
Headwall					Х	Х								
Collar			Х	Х										
Wingwalls			Х	X										
(Shape: )				-	1									
Cutoff Wall			Х	Х										

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		5	5	2 small tears in West side - photo. Minor bent roof edge - photo.
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	400			
Scour Protection		8	8	Well vegetated.
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : <b>250</b> )				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Haratarana Furd Camanal Bathana		-		
Upstream End General Rating		5	5	
		Brid	dge Cu	Ivert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN,			, Rise (mm): 2400, Type: MP)
Barrel Last Accessible Date	15-Jul-2011			
Special Features				
Special Feature				
(Type : )				
Special Feature				
(Type : )				
Roof		8	8	
Measured Rise (mm)	2460			
Measured At Ring No.				
Sag (mm)	60			
Percent Sag				
Sidewall		8	8	
Measured Span (mm)	2385			1
Measured At Ring No.	2000			- Midspan.
Deflection (mm)	15			
Percent Deflection	10			
		NI NI	l NI	I la des mates
Floor	0	N	N	Under water.
Bulge (mm)	0			
Measured At Ring No.	No			
Abrasion (Y/N)	No		-	
Circumferential Seams	1	8	8	
Separation (mm)	20			
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)				
Coating		7	7	Exterior end at roof corroding, typical.
Corrosion By Soil (Y/N)	Yes			]
Corrosion By Water (Y/N)	Yes			1
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

71172 -1 Bridge Culvert

Bridge Culvert Barrel										
Culvert Component			Now	•						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm):		, Rise (mm): 2400, Type: MP)						
Fish Passage Adequacy		Х	X							
Baffle		Х	Х							
(Type:)										
Waterway Adequacy		8	8							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N) No										
Barrel General Rating		8	8							
		D	ownstr	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		S								
End Treatment (Concrete, Steel, Others, None)	nd Treatment (Concrete, Steel, STEEL hers, None)									
Headwall			X							
Collar		Х	Х							
Wingwalls			Х							
(Shape: )										
Cutoff Wall		Х	X							
Bevel End		8	8							
Heaving (mm) 0										
Invert Above/Below Stream Bed BELOW										
Above/Below (mm) 400										
Scour Protection			8	Well vegetated.						
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 250)			1							
Scour/Erosion		8	8							
Beavers (Y/N)	No									
Downstream End General Rating			8							
		s	tructu	re Usage						
			Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment			8							
Bank Stability			8							
HWM (m below Top of Culvert)				HWM not visible.						
Drift (Y/N) No										
Channel Bottom Degrading/Aggrading				Unknown.						
Beavers (Y/N) No										
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		8	8							

			Maintenance R	ecommen	dations						
Inspector Recommendations	Yea	Year Inspector Comments			Department Com	nments	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS									J J		
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION											
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUT	OFF										
REPAIR SEAMS											
OTHER ACTION		1 Paint g	alvanized tears in NW bevel								
OTHER ACTION		1 Seal A	CP transverse crack over pip	e.							
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		)/88.9	Sufficiency Rating (Last/Now) (%)		<b>85.1/85.0</b> Es		Repl. Yr	2034	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection					Department Comments						
Maintenance Reviewed By					Date			ı	Estimated Tota	I 0	
Proposed Long-Term Strategy										'	
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name Dave Lam				Assistant's Name							
Next Inspection Date	15-Oct-2014 Previ				Inspection Date						
Inspection Cycle (Default) (months) 39											
Comment											