01439 -1 Bridge Culvert

					Brida	o Culve	ort Inch	ection						
Bridge File Nur	nher	01439 -1	Bridge Culve	rt	Bridg	e Curve	Form Type		CUL1					
	Bridge File Number 01439 -1 Bridge Culvert  'ear Built 1985						Lot No.		4					
Bridge or Town	Name		Υ				Inspector Name			Owen Salava				
Located Over	Hamo		CREEK, 3.78.6	WATER	CRS-9	ST	Inspector Class			BR CLS A				
Located On		12:06 C1		, **/*(1 = 1 *		<u> </u>	Assistant Name		BIC OLO A					
Water Body Cl.	/Year	12.00 01	22.100				Assistant Class							
Navigabil. Cl./Year					Inspection Da				29-Aug-2012					
						Data Entry By			Marcia Chavez					
						Data Entry Date		17-Sep-2012						
Road Authority Alberta T						Reviewer Name		John O'Brien						
Contract Main. Area CMA18							Review Date		06-Sep-2012					
Clear Roadway/Skew 9 /							Dept. Reviewer Name		·					
AADT/Year 1,230							Dept. Review Date		18-Sep-2012					
		RAU-209					Follow-Up By		10 06p-2012					
Detour Length		6					I dilow-op by							
Bridge Culvert										ı				
Number of Culv		1												
Pipe #	Barrel	5	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN	2	2019	2226		SPE	54.9			152X51	3.0	ELLIPSE		
Special Feature	es						0 1.10				'			
Special Feature		ment												
·														
					Ut	ilities (L	ocated	at)						
Utility Attachme														
Telephone			de of road.				Gas		50 m West of culvert					
Power	3 wire	es 23 m North of c/l.						oal						
Others							Probler	n (Y/N)	No	NO				
Remarks				Δ.		ah Daar	l / Emb	an lemant						
				Α	Last		d / Embankment Explanation of Condition							
Horizontal Align	nment				7	7	Intersection 100m west.							
Vertical Alignm					7	7	,							
Roadway Width (m) 9.000			,	'										
Embankment					8	8	North e	nd meas	ured.					
Sideslope (	:1)		3.0											
(Height of Co	•	5)	10.0				-							
Guardrail (Y/N)			Yes											
Approach Roa	d / Eml	oankmen	t General Rat	ing	7	7								
						Upstre	am End							
Culvert Component					Last			ation of	Condi	tion				
Direction		N		_										
End Treatment Others, None)	End Treatment (Concrete, Steel, STEEL													
Headwall					Х	Х								
Collar			Х	Х										
Wingwalls			Х	X										
(Shape: )					]									
Cutoff Wall			Х	X										

				eam End				
Culvert Component		Last	Now	Explanation of Condition				
Bevel End	I	7	7					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	300							
Scour Protection			7					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 200)								
Scour/Erosion		7	7					
Beavers (Y/N)	No							
Upstream End General Rating		7	7					
		Brid	dge Cu	Ivert Barrel				
Culvert Component				Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S							
Barrel Last Accessible Date	29-Aug-2012							
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		7	7					
Measured Rise (mm)	2250	,						
Measured At Ring No.	8							
Sag (mm)	24							
Percent Sag	1							
		-						
Sidewall	0010	6	6	2 small holes from construction in sidewall 1st plate on West side from outlet.				
Measured Span (mm)	2010							
Measured At Ring No.	8							
Deflection (mm)	9							
Percent Deflection	1		_					
Floor		N	5					
Bulge (mm)	0							
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		7	7					
Separation (mm)	0							
Longitudinal Seams		7	7					
Total No. of Cracked Rings	0							
Total No. of Rings with Two Cracked Seams	0							
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)	No							
Longitudinal Stagger (Y/N)	No							
Coating		6	6	Minor soil staining at upper seams superficial.				
Corrosion By Soil (Y/N)	Yes			3 3 2 2 2 3				
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	NEG							
Ponding (Y/N)	No							

	Bridge Culvert Barrel											
Culvert Component		Last		Explanation of Condition								
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	<u>n (mm</u>	): 2019	, Rise (mm): 2226, Type: SPE)								
Fish Passage Adequacy		5	5									
Baffle		Х	X									
(Type:)												
Waterway Adequacy		7 7										
Icing (Y/N)	No			0.2m silt accumulation starting 15m from outlet.								
Silting (Y/N)	Yes											
Drift (Y/N) No												
Barrel General Rating			6									
Downstream End												
Culvert Component		Last	Now	Explanation of Condition								
Direction		S										
End Treatment (Concrete, Steel, STEEL Others, None)												
Headwall		X	X									
Collar		X	X									
Wingwalls		Х	Х									
(Shape: )												
Cutoff Wall			Х									
Bevel End			7									
Heaving (mm)	0											
Invert Above/Below Stream Bed BELOW												
Above/Below (mm)	300											
Scour Protection			7									
(Type : RIP RAP)												
(Avg. Rock Size(mm) : 200)												
Scour/Erosion		7	7									
Beavers (Y/N)	No											
Downstream End General Rating			7									
		s	tructur	re Usage								
		Last	Now	Explanation of Condition								
Channel (U/S and D/S)												
Alignment			7									
Bank Stability			7									
HWM (m below Top of Culvert)				HWM unknown								
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		7	7									

			Maintena	nce Recommer	dations					
Inspector Recommendations	Yea	ır İnspe	ctor 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 (%)	ow) 66.7	7/66.7	Sufficiency Rating (%)	(Last/Now)	70.4/70.4	Est. Repl. Yr	2035	Maint. Re	qd. (Y/N)	No
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	stimated Tota	1 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name Owe		va		Previous	Assistant's Name					
Next Inspection Date	29-May-201	14		Previous	Inspection Date	25-Aug-2010				
Inspection Cycle (Default) (months) 21										
Comment										