					Bridg	e Culve								
Bridge File Nur	ridge or Town Name		rt			Form 7	Form Type CUL1			L1				
Year Built 1981						Lot No			3					
						Inspec	tor Name		Owen Salava					
			CREEK, 3.92, WATERCRS-ST				Inspec	tor Class		BR CLS A				
Located On	C1 9.042	9.042			Assista	ant Name								
Water Body Cl./Year							Assista	ant Class						
Navigabil. Cl./Y	'ear						Inspec	tion Date		22-Oct-2012				
Legal Land Loc	ation	SW SE	C 5 TWP 33 R	3E 4 W5N	Л		Data E	ntry By		Marcia Chavez				
Longitude, Latit	tude	-114:31	1:59, 51:47:42				Data E	ntry Date	<b>!</b>	08-Nov-2012				
Road Authority		Alberta	Transportation	(AIT)			Reviev	Reviewer Name John O'Brien						
							Reviev	Review Date 30-Oct-2012						
Clear Roadway	//Skew	11 /						Dept. Reviewer Name		Andrew Smikle	es			
		2011 (A)				Dept. Review Date		13-Nov-2012						
Road Classifica	ation	RAU-2					Follow	-Up By						
Detour Length	(km)	6												
		ation												
Number of Culv	/erts		1											
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	Pl./Slab Thickness	Shape		
1	MAIN		-	1500		SP		54.3		152X51	3.0	ROUND		
Special Feature	es											·		
Special Feature	es Comr	nent												
					Uti	ilities (L	ocated	at)						
									1					
					Gas									
Power 3 wire 30m North c/l. 1 wire crossing 50				0m Ea	st.	Municipal 2 (A)								
Others						Proble	m (Y/N)	No						
Remarks														
				A				ankment		4! a.u.				
Harizantal Alian					Last 8	Now	Explanation of Condition  Crest curve to the east limiting sight distance. No passing.					aning		
					_	8	Cresi	curve to tr	ie easi	. Ilmilling signi a	istance. No pa	ssing.		
				6	6									
Freehorders and					7	7								
	.1\		4.0		7	7								
• ` `		4.0\	4.0											
		4.2)	Vac				North side only.							
, ,					T -	North s	side only.							
Approach Roa	id / Emb	oankme	ent General Rat	ing	6	6								
_					1_	Upstre				_				
Culvert Component			Last	Now	Explar	nation of	Condi	tion						
Direction Co. 1 OTES!			S											
Others, None)	(Concre	ete, Stee	el, STEEL			1								
Headwall			Х	X										
Collar			Х	X										
Wingwalls			Х	Х										
(Shape: )														
Cutoff Wall	Cutoff Wall			X	X									

70868 -1 Bridge Culvert

			Llmotro	eam End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		7	7	Explanation of Condition
	150	/		
Heaving (mm)  Invert Above/Below Stream Bed				
Above/Below (mm) 100 Scour Protection		NI.	6	Rock size on the small side.
		N	6	Rock size on the small side.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : <b>250</b> )				
Scour/Erosion		N	6	
Beavers (Y/N)	No			
Upstream End General Rating		6	6	
		Brid	dae Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S			, Rise (mm): 1500, Type: SP)
Barrel Last Accessible Date	22-Oct-2012			
Special Features				
Special Feature				
(Type:)		·		
Special Feature				
(Type:)				
Roof		N	5	R10:1580
Measured Rise (mm)	1580			
Measured At Ring No.	10			
Sag (mm)	80			5.3% upwards.
Percent Sag	5			3.5 % upwarus.
Sidewall		N	4	R10:1440
Measured Span (mm)	1390			
Measured At Ring No.	14			
Deflection (mm)	110			-7.3% inwards - monitor.
Percent Deflection	7			-7.370 iliwalus - monitor.
Floor		N	5	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		N	6	Wall seam offset 4Nfrom floor & roof seams.
Separation (mm)	0	, ,	, ,	3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3. 3
Longitudinal Seams		N	6	
Total No. of Cracked Rings	0	14		-
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Coating		N	6	Minor corrosion in invert.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			

			~	Ivert Barrel					
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S <sub>l</sub>	pan (mm	):	, Rise (mm): 1500, Type: SP)					
Fish Passage Adequacy		4	4	Only when water is higher than scour hole @ outlet.					
Baffle		X	Х						
(Type:)									
Waterway Adequacy			4	Based on scour hole @ outlet.					
Icing (Y/N)	Yes			(1/2 full of ice. 04Feb2011).					
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating			4						
		D	ownsti	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		N							
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		X	Х						
Collar		X	X						
Wingwalls		X	Х						
(Shape: )									
Cutoff Wall		X	X						
Bevel End		7	7						
Heaving (mm)	50								
Invert Above/Below Stream Bed	ABOVE								
Above/Below (mm)	200								
Scour Protection		N	4	Outlet higher than channel due to scour hole; too small to be					
(Type : RIP RAP)				effective.					
(Avg. Rock Size(mm) : <b>250</b> )									
Scour/Erosion		N	4	Most rocks @ outlet pushed D/S building up rock dam - photo.					
Beavers (Y/N)	No								
Downstream End General Rati	ng	4	4						
		S	tructu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)			1						
Alignment			6	(Former U/S pond has dried up, no beaver action. 17/Nov/2003).					
Bank Stability			6						
HWM (m below Top of Culvert)									
Drift (Y/N)	Yes								
Channel Bottom Degrading/Aggrading	DEGRADING			Rock dam buildup @ outlet.					
Beavers (Y/N) No									
(Fish Compensation Measure 1	: NONE)								
(Fish Compensation Measure 2	: NONE)								
Channel General Rating		6	6						

		Maintenance Rec	ommendations				
Inspector Recommendations	Year	Inspector Comments	Department Comr	Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS		·	·				
PLACE ADDITIONAL RIP RAP	2013	Place Class II rocks in outlet scour ho remove/scatter rock dam D/S.	e,				
REMOVE DRIFT ACCUMULATION							
<b>INSTALL CONCRETE/STEEL LINING</b>							
INSTALL STRUTS							
INSTALL CONCRETE COLLAR/CUTO	)FF						
REPAIR SEAMS							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/No. (%)	ow) 44.4/44	.4 Sufficiency Rating (Last/No	ow) 35.2/35.3	Est. Repl. Yr 2035	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated Tota	1 0	
Proposed Long-Term Strategy						'	
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Owen Salava		Previous Assistant's Name				
Next Inspection Date	22-Jul-2014	ı	Previous Inspection Date	04-Feb-2011			
Inspection Cycle (Default) (months)	21						
Comment							