Bridge Culvert Inspection													
Bridge File Number 09412 -1 Bridge Culvert						Form Type			CULM				
Year Built 1954							Lot No.		4				
Bridge or Town					Inspector Name			Owen Salava					
Located Over TRIBUTA							Inspector Class		BR CLS A				
Located On	1 47 671				Assistant Name Assistant Class								
Water Body Cl.	/Year						Inspection Date		01-Feb-2012				
Navigabil. Cl./Y	'ear						Data Entry By		Marcia Chavez	7			
Legal Land Location SE SEC 6 TWP 39 RGE 3 W				E 3 W5M			Data Entry Date			01-Mar-2012			
Longitude, Latitude -114:24:56			1.56 52.10.00					ver Name		John O'Brien			
Road Authority Alberta Tr			Transportation (AIT)					Review Date		22-Feb-2012			
Contract Main. Area CMA18								Dept. Reviewer Name					
Clear Roadway/Skew 18 / -45 d							Dept. Review Date		09-Mar-2012				
AADT/Year		4,510/2	2010 (A)				Follow-						
Road Classifica		RAU-21	1.8-110										
Detour Length		6											
Bridge Culver		i											
Number of Culv			2										
Pipe #	Barrel		Span	Rise (or I	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		1525	1525		MP		34.7		68X13	2.8	ROUND	
2	MAIN		-	1200		MP		30		68X13	2.8	ROUND	
Special Feature	es												
Special Feature	es Comi	ment						-					
					Uti	lities (L	ocated	at)					
Utility Attachme		·					-						
Telephone			e optic cable. S	outh tel.			Gas						
Power							Municip						
	Others						Probler	m (Y/N) N	0				
Remarks				۸r	nroa	h Roar	l/Emb	ankment					
					Last	Now	Explanation of Condition						
Horizontal Alignment				9	9								
Vertical Alignm					8	8	<u> </u>						
Roadway Widtl	n (m)		18.000				Includes passing lane for EB/WB.						
Embankment					7 7								
Sideslope (_:1)		3.0	3.0									
(Height of Co	ver(m)	: 1.7)											
Guardrail (Y/N)			No										
Approach Roa	d / Eml	bankmer	nt General Rat	ing	8	8							
						Upstre	am End						
Culvert Comp	onent				Last			ation of Co	ondi	tion			
(Pipe # : 1, Sp	an Typ	e: Prima	ry Span)										
Direction					S								
End Treatment Others, None)	End Treatment (Concrete, Steel, STEEL												
Headwall					Х	X							
Collar	Collar				Х	Х							
Wingwalls				Х	X								
(Shape :)							1						
(Shape :)													

Bridge Inspection & Maintenance System (Web 2005)

09412 -1 Bridge Culvert

				eam End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	y Span)		-	I
Cutoff Wall		X	X	
Bevel End		5	5	Minor bend at top.
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		5	N	Snow covered.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		5	N	
Beavers (Y/N)	No			
· · ·			-	
Upstream End General Rating		5	5	
				livert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Loca		Span (mm): 1525	5, Rise (mm): 1525, Type: MP)
Barrel Last Accessible Date	01-Feb-2012			
Special Features				
Special Feature				-
(Type :)			-	_
Special Feature				_
(Туре :)			_	
Roof		6	6	
Measured Rise (mm)	1470			_
Measured At Ring No.	2			_
Sag (mm)	55			_
Percent Sag	3			
Sidewall	1	6	6	Sweep to the West at North end.
Measured Span (mm)	1600			_
Measured At Ring No.	2			_
Deflection (mm)	75			-
Percent Deflection	4			
Floor	1	N	6	-
Bulge (mm)	25			-
Measured At Ring No.	3			-
Abrasion (Y/N)	No			
Circumferential Seams		5	5	South end seam.
Separation (mm)	80		_	
Longitudinal Seams	1	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		5	5	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			

Bridge Inspection & Maintenance System (Web 2005)

		Brid	dae Cu	Ivert Barrel
Culvert Component		Last		Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm		
Camber POS/ZERO/NEG	POS			
Ponding (Y/N)	No			
Fish Passage Adequacy		6	6	
Baffle		X	Х	
(Type:)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		6	6	
	1	D		ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	<u>/</u> Span)			
Direction		N		-
End Treatment (Concrete, Steel, Others, None)	STEEL		1	
Headwall		X X	X X	
Collar	Collar			
Wingwalls	Wingwalls			
(Shape:)				
Cutoff Wall		X	X	
Bevel End		6	6	
Heaving (mm)	0			
Invert Above/Below Stream Bed				-
Above/Below (mm)	200			
Scour Protection		5	N	Snow covered.
(Type : RIP RAP)				-
(Avg. Rock Size(mm) : 250)				
Scour/Erosion		5	N	
Beavers (Y/N)	No			
Downstream End General Ration	ng	5	5	GR carried forward from 31Mar2010.
				am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)	S		
Direction	eteel	S		
End Treatment (Concrete, Steel, Others, None)	SIEEL	N/	V	
Headwall		X	X	
Collar		X	X	
Wingwalls		X	X	
(Shape:)				
Cutoff Wall		X	X	

Bridge Inspection & Maintenance System (Web 2005)

09412 -1 Bridge Culvert

	Upstream End									
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 2, Span Type: Second	ary Span)									
Bevel End		5	5	Minor dent from installation.						
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	200									
Scour Protection		5	N	(Some Class I rocks. 31Mar2010). Snow covered.						
(Type : RIP RAP)			_							
(Avg. Rock Size(mm) : 250)										
Scour/Erosion		5	N							
Beavers (Y/N)	No									
Upstream End General Rating		5	5							
		5	J							
		Bri	dge Cu	lvert Barrel						
Culvert Component		Last		Explanation of Condition						
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN,	Span (I	mm):	, Rise (mm): 1200, Type: MP)						
Barrel Last Accessible Date	01-Feb-2012									
Special Features										
Special Feature										
(Type:)				-						
Special Feature										
(Type:)			_							
Roof		7	7							
Measured Rise (mm)	1230			_						
Measured At Ring No.	3			-						
Sag (mm)	30	_		-						
Percent Sag	2	_								
Sidewall		7	7							
Measured Span (mm)	1170			-						
Measured At Ring No.	3			-						
Deflection (mm)	30			-						
Percent Deflection	2									
Floor		N	6	Water covered.						
Bulge (mm)	0			-						
Measured At Ring No.				-						
Abrasion (Y/N)										
Circumferential Seams		5	5							
Separation (mm)	110									
Longitudinal Seams		5	5	Riveted seam.						
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)										
Longitudinal Stagger (Y/N)										
Coating		5	5							
Corrosion By Soil (Y/N)	No									
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	POS									

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN,	Span (ı	nm):	, Rise (mm): 1200, Type: MP)					
Ponding (Y/N)	No								
Fish Passage Adequacy			6						
Baffle		X	X						
(Type:)									
Waterway Adequacy		7	7						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		7	5						
		D	ownst	ream End					
Culvert Component		Last		Explanation of Condition					
(Pipe # : 2, Span Type: Second	lary Span)	,							
Direction	/	N							
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		Х	X						
Collar			Х						
Wingwalls		X	Х						
(Shape :)									
Cutoff Wall			X						
Bevel End			6						
Heaving (mm)	0								
Invert Above/Below Stream Bed	ABOVE			_					
Above/Below (mm)	100								
Scour Protection		5	N	(Some Class I rock. 31Mar2010). Snow covered.					
(Type : RIP RAP)				-					
(Avg. Rock Size(mm) : 250)									
Scour/Erosion		5	N						
Beavers (Y/N)	No								
Downstream End General Rati	ng	5	5	GR carried forward from 31Mar2010.					
				re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S) Alignment		8	8						
Bank Stability			8						
HWM (m below Top of Culvert)	0.7								
Drift (Y/N)	Yes								
Channel Bottom	DEGRADING								
Degrading/Aggrading Beavers (Y/N)	No			-					
(Fish Compensation Measure 1 :									
(Fish Compensation Measure 2 :									
Channel General Rating		8	8						

Maintenance Recommendations													
Inspector Recommendations		Year	Inspector 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/CUTO)FF												
REPAIR SEAMS													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/No (%)	ow)	66.7/55.	6 Sufficiency Rating (Last (%)	/Now)	65.8/60.7 Est. Repl. Yr 2019		2019	Maint. Re	qd. (Y/N)	No			
Special Comments for Next Inspection					Department Comments								
Maintenance Reviewed By					Date		E	Estimated Total	0				
Proposed Long-Term Strategy													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name Ov		Salava		Previous	vious Assistant's Name								
Next Inspection Date 0		/-2013		Previous	s Inspection Date 31-Mar-2010								
Inspection Cycle (Default) (months) 2													
Comment													