					Bridge Culvert Inspection											
Bridge File Nur	File Number 78582 -1 Bridge Culvert						Form 7	Гуре		CULM	CULM					
Year Built		1986					Lot No.			4						
Bridge or Town Name JEAN COTE						Inspector Name			Brian Pientsch							
Located Over							Inspector Class			BR CLS A						
Located On							Assistant Name			Lisbeth Medin	a					
	/Year		<u> </u>				Assistant Class			 -						
Located On 744:04 C1 15.615 Water Body CI./Year Navigabil. CI./Year Legal Land Location NW SEC 23 TWP 79 RGE 22 V Longitude, Latitude -117:20:31, 55:51:47 Road Authority Alberta Transportation (AIT) Contract Main. Area CMA03 Clear Roadway/Skew 9.2 / 0 deg. AADT/Year 360 / 2010 (A) Road Classification RCU-209-110 Detour Length (km) 3 Bridge Culvert Information Number of Culverts 3 Pipe # Barrel Span Rise (or							tion Date		02-Feb-2011							
Year Built1986Bridge or Town NameJEAN COTELocated Over3RD ORDER TRIBUTARY TO RIVER, 8.10.58.1.2.1, WATEILocated On744:04 C1 15.615Water Body CI./YearAlberta Transportation (AIT)Legal Land LocationNW SEC 23 TWP 79 RGE 22Longitude, Latitude-117:20:31, 55:51:47Road AuthorityAlberta Transportation (AIT)Contract Main. AreaCMA03Clear Roadway/Skew9.2 / 0 deg.AADT/Year360 / 2010 (A)Road ClassificationRCU-209-110Detour Length (km)3Bridge Culvert InformationNumber of Culverts1MAIN13909702MAIN13909703MAIN13909703MAIN1390970				RGF 22 W	/5M		Data Entry By			Janie Assenhe	eimer					
								ntry Date		25-Feb-2011						
				(AIT)				Reviewer Name Arnold Assenheimer								
Legal Land Location NW SEC 23 TWP 79 RGE 22 V Longitude, Latitude -117:20:31, 55:51:47 Road Authority Alberta Transportation (AIT) Contract Main. Area CMA03 Clear Roadway/Skew 9.2 / 0 deg. AADT/Year 360 / 2010 (A) Road Classification RCU-209-110 Detour Length (km) 3 Bridge Culvert Information Number of Culverts 3 Pipe # Barrel Span Rise (or 1 MAIN 1390 970 3 MAIN 1390 970 Special Features						Reviev			22-Feb-2011							
Clear Roadway/Skew 9.2 / 0 deg. AADT/Year 360 / 2010 (A) Road Classification RCU-209-110						•			Steve Pasqua	<u>n</u>						
AADT/Year 360 / 2010 (A)								Review Da	ate	16-Nov-2011						
Road Classification RCU-209-110						Follow	-Up By									
Bridge Culvert Information																
Number of Culv	verts		3													
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape				
1	MAIN		1390	970		FP		23.8		125X26	2.8	ARCH				
2	MAIN		1390	970		FP		23.8		125X26	2.8	ARCH				
3	MAIN		1390	970		FP		23.8		125X26	2.8	ARCH				
Special Features																
Special Feature	es Comi	ment														
					1145	1:4: (1		L = ()								
Litility Attachme	onto				Οti	lities (L	ocateo	at)								
							Gas									
							Municipal									
	Last	(200)						Problem (Y/N) No								
							1 10010	(1714)	1110							
				Α	pproac	ch Road	l / Emb	ankment								
					Last	Now	Explanation of Condition									
Horizontal Align	nment				7	7	Access 50m South.									
Vertical Alignm	ent				9	9										
Roadway Width	n (m)		9.200													
Embankment					9	9										
Sideslope (_:1)		4.0													
(Height of Co	ver(m)	: 1.5)														
Guardrail (Y/N)			No													
Approach Roa	d / Eml	bankme	nt General Rat	ing	7	7										
						Upstre	am Enc									
Culvert Compe	onent				Last	Now	Explai	nation of	Condi	tion						
(Pipe # : 1, Sp	an Typ	e: Prima	ary Span)													
Direction					Е		South	pipe.								
End Treatment Others, None)	(Concre	ete, Stee	el, NONE													
Headwall					Х	Х										
Collar					Х	Х										

			Unctro	eam End
Culvert Component				Explanation of Condition
	(Snon)	Last	INOW	Explanation of Condition
(Pipe # : 1, Span Type: Primary	, Span)			
Wingwalls		X	N	
(Shape:)			Ι	
Cutoff Wall		X	N	
Bevel End		7	N	Bevel under snow.
Heaving (mm)	0	-		
Invert Above/Below Stream Bed				Oct. 23, 2007
Above/Below (mm)	300			
Scour Protection	1000	7	N	Under snow.
(Type : RIP RAP)			- ' '	Onder onew.
(Avg. Rock Size(mm) : 300)				-
Scour/Erosion		7	N	Under snow.
SCOUI/E10SIOI1		'	IN	Officer show.
Beavers (Y/N)	No			
Upstream End General Rating		7	7	GR carried forward.
		Brid	dae Cu	Ilvert Barrel
Culvert Component			_	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, S			· ·
Barrel Last Accessible Date	23-Oct-2007		•	Couldn't be inspected - culvert submerged in snow.
				3
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		5	N	
Measured Rise (mm)	915			(At C/L Oct. 23, 2007)
Measured At Ring No.				
Sag (mm)	55			
Percent Sag	6			
Sidewall		5	N	
Measured Span (mm)	1410			(At C/L Oct 23, 2007)
Measured At Ring No.				1
Deflection (mm)	20			1
Percent Deflection	1			1
Floor		6	N	
Bulge (mm)	25	U		(Est. Oct 23, 2007)
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams	140	6	N	
	25	6	IN	-
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)	No			
Longitudinal Stagger (Y/N)	No			

		Bric	lge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm): 1390	, Rise (mm): 970, Type: FP)
Coating		6	N	(Minor superfical rust 400mm widestrip of floor. Oct 23, 2007)
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		6	N	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		6	N	
Icing (Y/N)				
Silting (Y/N)				
Drift (Y/N)				
Barrel General Rating		5	N	(GR 5 - 23 Oct 2007)
		D	ownstr	eam End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)			
Direction		W		South pipe. Culvert completely submerged in snow.
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		Х	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		7	N	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	150			
Scour Protection		7	N	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		7	N	
Beavers (Y/N)	No		'	
Downstream End General Ratio	ng	7	7	GR carried forward.
			Unstre	am End
Culvert Component		Last		Explanation of Condition
(Pipe # : 2, Span Type: Second	lary Span)			
Direction	,	E		Centre pipe. Culvert completely submerged in snow.
End Treatment (Concrete, Steel, Others, None)	NONE			- 2
Headwall		Х	Х	
Collar		Х	X	

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Second	ary Span)			
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		7	N	Bevel under snow.
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		7	N	Under snow.
(Type: RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		7	N	Under snow.
Beavers (Y/N)	No			
Upstream End General Rating		7	7	GR carried forward.
		Dui	lara Ora	land Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Lo	ecation Code: MAIN S			
Barrel Last Accessible Date	23-Oct-2007	pan (i	11111). 1	
Barrer Last Accessible Date	23-001-2007			Culvert couldn't be inspected - completely submerged in snow.
Special Features		1		
Special Feature				
(Type:)		1		
Special Feature				
(Type:)			_	
Roof		7	N	
Measured Rise (mm)	970			
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		7	N	
Measured Span (mm)	1400			
Measured At Ring No.				
Deflection (mm)	10			
Percent Deflection	1			
Floor		6	N	(Est. Oct 23, 2007)
Bulge (mm)	25			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		6	N	
Separation (mm)	25			
Longitudinal Seams		Х	Х	
Total No. of Cracked Rings				
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Longitualia Olagger (1/14)	1110			

(Pipe # : 2, Secondary Span, Location Code: MAIN, Span (mm): 1390, Rise (mm): 970, Type: FP) Coating 6 N Corrosion By Soil (Y/N) Corrosion By Water (Y/N) Yes Camber POS/ZERO/NEG NEG Ponding (Y/N) No Fish Passage Adequacy 6 6 Baffle X X (Type :)												
Culvert Component		Last	Explanation of Condition									
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	pan (n	nm): 13	390, Rise (mm): 970, Type: FP)								
Coating		6	N	(Minor superficial rust 400 wide strip of floor. Oct 23, 2007)								
Corrosion By Water (Y/N)	Yes											
Camber POS/ZERO/NEG	NEG											
Ponding (Y/N)	No											
Fish Passage Adequacy		6	6									
Baffle		Х	Х									
(Type:)												
Waterway Adequacy		6	N									
Silting (Y/N)												
Drift (Y/N)												
Barrel General Rating		7	N	GR 7 - 23 Oct 2007.								
Darrer Conoral Rading		•		OK 7 25 00(2007)								
		D	ownstr	eam End								
Culvert Component		Last	Now	Explanation of Condition								
(Pipe # : 2, Span Type: Second	ary Span)											
Direction		W		Centre pipe. Culvert submerged in snow.								
End Treatment (Concrete, Steel, Others, None)	NONE											
Headwall		Х	Х									
Collar		Х	X									
Wingwalls		X	X									
(Shape:)												
Cutoff Wall		X	X									
Bevel End		7	N	Bevel under snow.								
Heaving (mm)	0											
Invert Above/Below Stream Bed	BELOW											
Above/Below (mm)	150											
Scour Protection		7	N	Under snow.								
(Type : RIP RAP)												
(Avg. Rock Size(mm) : 300)												
Scour/Erosion		7	N	Under snow.								
Beavers (Y/N)	No											
Downstream End General Ratio	ng	7	7	GR carried forward.								
			U <u>pstre</u>	am End								
Culvert Component		Last										
(Pipe # : 3, Span Type: Second	ary Span)											
Direction		Е		North pipe. Culvert submerged in snow.								
End Treatment (Concrete, Steel, Others, None)	NONE											
Headwall		Х	Х									
Collar		Х	Х									

			Unctro	eam End
Culvert Component				Explanation of Condition
(Pipe # : 3, Span Type: Second	Jary Span\	Lasi	INOW	Explanation of Condition
Wingwalls	аагу Эрап)	X	X	
(Shape:)				
Cutoff Wall		X	X	
Cuton wan		^	^	
Bevel End		7	N	Bevel under snow.
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		7	N	UNder snow.
(Type: RIP RAP)				
(Avg. Rock Size(mm): 300)				
Scour/Erosion		7	N	Under snow.
	T			
Beavers (Y/N)	No			
Upstream End General Rating		7	7	GR carried forward.
open cam End Concrat Rating		,	_ ′	On carried forward.
				livert Barrel
Culvert Component				Explanation of Condition
(Pipe # : 3, Secondary Span, Lo	ocation Code: MAIN	, Span (ı	nm): 1	
Barrel Last Accessible Date	23-Oct-2007			Culvert completelly submerged in snow - couldn't be inspected.
Special Features				
Special Feature				
(Type:)				
Special Feature				-
(Type:)				
Roof		6	N	(At C/L Oct 23, 2007)
Measured Rise (mm)	945		111	(11 0/2 001 20, 2007)
Measured At Ring No.	0.10			_
Sag (mm)	25			-
Percent Sag	3			-
Sidewall	10	7	N	
Measured Span (mm)	1410	,	14	(Est. Oct 23, 2007)
Measured At Ring No.				
Deflection (mm)	20			
Percent Deflection	2			
Floor		6	N	
Bulge (mm)	25		- '	-
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		6	N	
Separation (mm)	25		- '	-
Longitudinal Seams		Х	Х	
Total No. of Cracked Rings				-
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			

		Brio	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 3, Secondary Span, Lo	ocation Code: MAIN, S	3pan (r	nm): 13	390, Rise (mm): 970, Type: FP)
Coating		6	N	(Minor superficial rust 400 wide strip of floor. Oct 23, 2007)
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG				
Ponding (Y/N)	No			
Fish Passage Adequacy		6	N	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		6	N	
Icing (Y/N)				
Silting (Y/N)				
Drift (Y/N)				
Barrel General Rating		6	N	GR6 - 23 Oct 2007.
		D	ownstr	ream End
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 3, Span Type: Second	lary Span)			
Direction		W		North pipe. Culvert submerged in snow.
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		Х	X	
Collar		Х	Х	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	X	
Bevel End		7	N	Bevel under snow.
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	150			
Scour Protection		7	N	Under snow.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		7	N	Under snow.
Beavers (Y/N)	No			
Downstream End General Ratio	ng	7	7	GR carried forward.
		ç	Structu	re Usage
			Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		5	5	90d turn @ D/S end
Bank Stability		7	7	
HWM (m below Top of Culvert)				(No HWM visible Oct 23, 2007)
Drift (Y/N)	No			,

	Structure Usage									
		Last	Now	Explanation of Condition						
Channel Bottom Degrading/Aggrading				Stable.						
Beavers (Y/N)	No									
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating		5	5							
_										

		Maintenance	Recommendations						
Inspector Recommendations	Year	Inspector Comments	Department	Comme	nts		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS							J J		
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	ì								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 55.6/55	.6 Sufficiency Rating (La	est/Now) 62.8/72.2	Es	st. Repl. Yr	2034	Maint. Re	qd. (Y/N)	No
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	Eric Carcoux		Previous Assistant's Na	me					
Next Inspection Date	02-May-2014		Previous Inspection Da	Previous Inspection Date 23-Oct-2007					
Inspection Cycle (Default) (months)	39								
Comment									