Bridge Culvert Inspection													
Bridge File Number		73910 -1 Bridge Culvert					Form Type			CULE			
Year Built 195		1952	1952				Lot No.	.ot No.		4			
Bridge or Town Name ROSEN			EMARY				Inspector Name		Jon Davies				
Located Over EID - MA			MATZHIWIN CK, WATERCRS-IC			0	Inspector Class			BR CLS B			
Located On 1:16 L1			L1 44.137;1:16 R1 44.161				Assistant Name						
Water Body CI./Year							Assistant Class						
Navigabil. Cl./Year							Inspection Date			05-Feb-2012			
Legal Land Loc	ation	NE SEC	3 TWP 20 RC	GE 16 W4	М		Data Entry By			Anne Roberts			
Longitude, Latitude -112:		-112:07:	2:07:45, 50:40:09					ntry Date		12-Mar-2012			
Road Authority A		Alberta	Alberta Transportation (AIT)				Reviewer Name			Garry Roberts			
Contract Main. Area CM		CMA23					Review Date			12-Feb-2012			
Clear Roadway/Skew 25 /		25 /					Dept. Reviewer Name			Tim Davies			
AADT/Year 6,860		6,860 / 2	0 / 2010 (A)					eview Da	ate	22-Mar-2012			
Road Classifica	ation	RFD-412	2.4-130				Follow-Up By						
Detour Length	(km)	1											
Bridge Culvert	Inform	ation											
Number of Culv	/erts	· · ·	1	1									
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		2000	2000		BP		19.5				RECTANGLE	
1	D/S		2560	2310		RPE		46.3				ELLIPSE	
Special Feature	es												
Special Feature	es Comr	ment											
					1 14	lition /l	opatod	at)					
Litility Attachme	onte				01	inties (L		atj					
Talaphana South and North r/w													
Power	oouun						Municin	al					
Others						Problen	m (Y/N) No						
Remarks Fibre optic N R/W							1 1001011		110				
1 tomanto	1 1010			A	oproa	ch Road	d / Emba	nkment					
					Last	Now	Explanation of Condition						
Horizontal Alignment			8	8									
Vertical Alignment			8	8									
Roadway Width (m)		25.000	00										
Embankment					7	6	Minor s	ettlement	t at U/S	S end above be	evel		
Sideslope (_:1)		3.5										
(Height of Co	ver(m) :	1.5)					1						
Guardrail (Y/N)			Yes										
Approach Roa	d / Emb	bankmer	nt General Rat	ting	8	8							
						Upotro	om End						
Culvert Compo	onent				Last	Now	Explana	ation of	Condi	tion			
Direction					S	1.1011			Contan				
End Treatment (Concrete, Steel, CONCRETE													
Headwall		6	6										
Collar			X	Х									
Wingwalls			X	X									
(Shape :)													
Cutoff Wall				X	Х								

Alberta Transportation

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		5	5	Spalling on chamber of West bevel
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection			6	Rip rap in Grown.
(Type : NATURAL)				APPEARS NATURAL @ SIDES OF BEVEL.
(Avg. Rock Size(mm) : 150)				
Scour/Erosion		6	6	
Beavers (Y/N) No				
Upstream End General Rating			5	
		Brid		Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 2000	Rise (mm): 2000, Type: BP)
Barrel Last Accessible Date	05-Feb-2012		,. 2000	BP South
Special Features			_	
Special Feature				
(Туре :)				
Special Feature				
(Type:)				
Roof		7	6	Transverse wide crack at roof
Measured Rise (mm)				
Measured At Ring No				
Sag (mm)				
Barcent Sag				
Sidewall		7	6	25 mm may width grady mid on an through hav position DEE mark
		1	0	established East wall.
Massured Span (mm)				No change in dimension.
Measured At Ring No.				
Percent Deflection			_	
Floor		N	5	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No		_	
Circumferential Seams	I	7	X	
Separation (mm)	0			
Longitudinal Seams		7	Х	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)	0			
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	No			
Coating		6	X	
Corrosion By Soil (Y/N)	No		~	
Corrosion By Water (Y/N)	No			
	ZERO			
Camber 1 OG/ZERO/NEG				
Ponding (Y/N)	No			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	ation Code: MAIN, Spa	an (mm): 2000	, Rise (mm): 2000, Type: BP)					
Fish Passage Adequacy		7	7						
Baffle			X	_					
(Туре :)									
Waterway Adequacy		7	7						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		7	6						
		Bric	dge Cu	Ivert Barrel					
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	ation Code: D/S, Span	(mm):	2560, I	Rise (mm): 2310, Type: RPE)					
Barrel Last Accessible Date	05-Feb-2012			SPCSP North D/S					
Special Features									
Special Feature									
(Type :)									
Special Feature									
(Туре :)									
Roof		4	7						
Measured Rise (mm)	2310								
Measured At Ring No.	3								
Sag (mm)	70								
Percent Sag	3								
Sidewall		4	7						
Measured Span (mm)	2630								
Measured At Ring No.	9								
Deflection (mm)	70								
Percent Deflection	3								
Floor		N	N	(Covered with water 600 mm DP & 300 mm silt.) 08 Aug 2010					
Bulge (mm)	0			Floor is ice covered					
Measured At Ring No.									
Abrasion (Y/N)	No								
Circumferential Seams		Х	7						
Separation (mm)	0			1					
Longitudinal Seams		Х	7						
Total No. of Cracked Rings	0			1					
Total No. of Rings with Two Cracked Seams	0								
Min. Remaining Steel Between Cracks (mm)	0								
Proper Lap (Y/N)	Yes								
Longitudinal Stagger (Y/N)	No								
Coating			6	Superficial corrosion at lower side wall and floor.					
Corrosion By Soil (Y/N)	No								
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	ZERO								
Ponding (Y/N)	No								

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

		Brid	dge Cu	lvert Barrel					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	(Pipe # : 1, Primary Span, Location Code: D/S, Span (mm): 2560, Rise (mm): 2310, Type: RPE)								
Fish Passage Adequacy		7	7						
Baffle			Х						
(Туре :)									
Waterway Adequacy			7						
Icing (Y/N)	No								
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel Extension General Rating			7	Roof and sidewall crack					
		D	ownstr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		N		-					
End Treatment (Concrete, Steel, Others, None)	STEEL		1						
Headwall		X	X						
Collar		X	X						
Wingwalls	Wingwalls								
(Shape :)									
Cutoff Wall		X	X						
Bevel End		7	7						
Heaving (mm)	150								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	400		1						
Scour Protection		7	7	heavily ingrown					
(Type : RIP RAP)				_					
(Avg. Rock Size(mm) : 300)		1							
Scour/Erosion		7	7						
Beavers (Y/N)	No								
Downstream End General Ratin	ng	7	7						
		S	tructu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment			8						
Bank Stability			8						
HWM (m below Top of Culvert)				No visible HWM					
Drift (Y/N)	No								
Channel Bottom AGGRADING Degrading/Aggrading									
Beavers (Y/N) No									
(Fish Compensation Measure 1 : NONE)									
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating			8						

Maintenance Recommendations												
Inspector Recommendations		Year	Inspector Comments		Department Comr	nents	Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTC)FF											
REPAIR SEAMS												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No (%)	ow)	44.4/66.	Sufficiency Rating (Last/Now) (%)		59.4/69.4	Est. Repl. Yr	2032 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	Jason	Rusu	F	Previous Assistant's Name								
Next Inspection Date 05		05-Nov-2013			revious Inspection Date 08-Aug-2010							
Inspection Cycle (Default) (months) 2												
Comment												