March Color Colo					Brida	o Culv	ort Incho	ction					
Vietar Built	Bridge File Number	80674 -	1 Bridge Culve	rt	Billag	e Cuive				CIII 1			
Inspector Name							7.						
Inspect of Class BR CLS B Assistant Name Assistan													
B.10.8.18.3.3, WATERCRS-ST													
Marker Body CL/Year Mary State Role	Localed Over	8.10.58.18.3.3, WATERCRS-ST					· ·			BK CL3 B			
	Located On												
Data Entry Day Thoresa Lacusta Legal Land Location SE SEC 8 TWP 68 RGE 5 W6M Data Entry Data 24-Sep-2012	Water Body Cl./Year									21-110-2012			
Legal Land Location Sec Sec S WM Sec S Well Sec S Well Sec S Well Sec Se	Navigabil. Cl./Year										eta		
Congluide Latitude 1848-320, 54:51:56 Reviewer Name Eric Carcoux Review Date 23-5ep-2012	Legal Land Location	SE SEC	8 TWP 68 RG	E 5 W6N	1								
Review Date 23-Sep-2012 Contract Main. Area CMAID CONTRACT MAID CONTRACT M	Longitude, Latitude	-118:43	:20, 54:51:56							·			
Dept. Reviewer Name	Road Authority	Alberta	Transportation	(AIT)									
Dept. Review Date Or-Jan-2013	Contract Main. Area	CMA05							Nama		n		
AADT/Year 2,440 / 2011 (A) Follow-Up By	Clear Roadway/Skew	11.8 /								·	11		
Road Classification RAU-211.8-110 Deletour Length (km) 60	AADT/Year	2,640 /	2011 (A)						116	07-Jan-2013			
State Stat	Road Classification	RAU-21	1.8-110				T Ollow-	ор ву					
Number of Culverts	Detour Length (km)	60											
Pipe # Barrel	Bridge Culvert Infor	mation											
MAIN 1724 1901 SPE 72.5 152X51 3.0 ELLIPSE	Number of Culverts		1										
Special Features Special Features Comment Utilities (Located at) Utility Attachments Telephone Semarks Approach Road / Embankment Last Now Explanation of Condition No passing southbound, on crest curve with limited sight distance. Wortical Alignment Nortical Alignment Nort	Pipe # Barre	ı	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile		Shape	
Utility Attachments	1 MAIN		1724	1901		SPE		72.5		152X51	3.0	ELLIPSE	
Utilities (Located at) Utility Attachments Telephone	Special Features												
Utility Attachments	Special Features Con	nment											
Utility Attachments													
Cas Municipal Problem (Y/N) No	Living Asset I				Ut	ilities (L	_ocated	at)					
Power Others Remarks Approach Road / Embankment Horizontal Alignment Vertical Alignment													
Problem (Y/N) No No													
Approach Road / Embankment Last Now Explanation of Condition No passing southbound, on crest curve with limited sight distance. Wertical Alignment N									NI.				
Approach Road / Embankment Last Now Explanation of Condition Horizontal Alignment 6 6 6 With limited sight distance. Horizontal Curves to S. Horizontal Curves to S.							Problen	1 (Y/N)	INO				
Last Now Explanation of Condition	Remarks			Δ.	nnroo	oh Boo	d / Emba	nkmont					
Horizontal Alignment Vertical Al				A			1		Condi	tion			
Vertical Alignment Vertical Alignment Roadway Width (m) 11.800 Embankment Sideslope (_:1) (Height of Cover(m): 9.3) Guardrail (Y/N) No Approach Road / Embankment General Rating Upstream End Culvert Component Last Now Explanation of Condition End Treatment (Concrete, Steel, CONCRETE Others, None) Headwall 7 7 Collar N 7 Wingwalls With limited sight distance. Horizontal curves to S. ### Vax2v0.75m depression 1/2 up the bank above the d/s endvegetated **Province of the send of t	Horizontal Alignment												
Horizontal curves to S. Horizontal curves to					-		with lim	ited sight	distar	nce.			
Roadway Width (m) Embankment Sideslope (_:1) (Height of Cover(m) : 9.3) Guardrail (Y/N) Approach Road / Embankment General Rating Upstream End Culvert Component Direction End Treatment (Concrete, Steel, Others, None) Headwall 7 7 Collar N Wingwalls V 1x2x0.75m depression 1/2 up the bank above the d/s endvegetated 1x2x0	Vertical / liighthene												
Embankment Sideslope (;1)							Horizon	tal curve	s to S.				
Sideslope (_:1)	Roadway Width (m)		11.800										
Sideslope (_:1)	Embankment				N	4	1x2x0.7	5m depre	ession	1/2 up the ban	k above the d	s endvegetated	
(Height of Cover(m) : 9.3) Guardrail (Y/N) Approach Road / Embankment General Rating Culvert Component Direction End Treatment (Concrete, Steel, CONCRETE Others, None) Headwall Collar N Wingwalls X X No Explanation of Condition To T	Sideslope (:1)		4.0									J	
Guardrail (Y/N) Approach Road / Embankment General Rating Upstream End Culvert Component Last Now Explanation of Condition Direction End Treatment (Concrete, Steel, CONCRETE Others, None) Headwall 7 7 Collar N 7 Wingwalls X X		: 9.3)	-										
Upstream End Culvert Component Last Now Explanation of Condition Direction W End Treatment (Concrete, Steel, Others, None) 7 7 Collar N 7 Wingwalls X X	Guardrail (Y/N)		No										
Upstream End Culvert Component Last Now Explanation of Condition Direction W End Treatment (Concrete, Steel, Others, None) 7 7 Collar N 7 Wingwalls X X	Approach Road / En	nbankmei	nt General Rat	ing	6	6							
Culvert Component Last Now Explanation of Condition Direction W End Treatment (Concrete, Steel, Others, None) CONCRETE Headwall 7 7 Collar N 7 Wingwalls X X	••												
Direction W End Treatment (Concrete, Steel, CONCRETE Others, None) 7 7 Collar N 7 Wingwalls X X	Culvert Component				Last			ation of	Condi	tion			
End Treatment (Concrete, Steel, Others, None) Headwall Collar N Wingwalls X X						14044	LAPIAN		Jonal				
Headwall 7 7 Collar N 7 Wingwalls X X	End Treatment (Cond	rete, Stee	I, CONCRETE		.,								
Wingwalls X X	Headwall				7	7							
	Collar				N	7							
	Wingwalls				X	X							
(Onapo .)	(Shape:)												

			Lingtee	am End				
Culvert Component		Last	Now	Explanation of Condition				
Cutoff Wall		N	Now	Explanation of Condition				
Cuton wan		IN	IN IN					
Bevel End	Bevel End		4	Bevel is lifting and twisting to the				
Heaving (mm)	300			south.				
Invert Above/Below Stream Bed BELOW								
Above/Below (mm) 100								
Scour Protection		N	4					
(Type : NONE)								
(Avg. Rock Size(mm):)								
Scour/Erosion		N	4	1mx1mx0.4m scour hole in SW corner.				
Paguara (V/NI)	No							
Beavers (Y/N)	INO							
Upstream End General Rating		4	4					
Outroot Or				Ivert Barrel				
Culvert Component	tion Code: MAIN C			Explanation of Condition				
(Pipe # : 1, Primary Span, Loca		an (mm	1): 1/24	, Kise (inm): 1901, Type: SPE)				
Barrel Last Accessible Date	21-Aug-2012							
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		N	7					
Measured Rise (mm)	1858							
Measured At Ring No.	4							
Sag (mm)	43							
Percent Sag	2							
Sidewall		N	7					
Measured Span (mm)	1795							
Measured At Ring No.	4							
Deflection (mm)	71							
Percent Deflection	4							
Floor		N	7					
Bulge (mm)	0							
Measured At Ring No.	4							
Abrasion (Y/N)	No							
Circumferential Seams		N	6					
Separation (mm)	0							
Longitudinal Seams		N	6					
Total No. of Cracked Rings	0							
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	4	Superficial rust on 400mm strip of floor.				
Corrosion By Soil (Y/N)	No							
Corrosion By Water (Y/N)	Yes							

		Brid	dge Cu	Ivert Barrel				
Culvert Component				Explanation of Condition				
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm): 1724	, Rise (mm): 1901, Type: SPE)				
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N) No								
Fish Passage Adequacy		7	7					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		5	5	Icing to top of culvert-02-Mar-2009				
Icing (Y/N)	Yes							
Silting (Y/N)	No							
Drift (Y/N)	No							
Barrel General Rating		N	7					
				ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction	0.7551	Е						
End Treatment (Concrete, Steel, Others, None)	SIEEL							
Headwall		X	X					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape:)		1						
Cutoff Wall		X	X					
Bevel End		N	4	Bevel undermined 0.3m.				
Heaving (mm)	0							
Invert Above/Below Stream Bed	ABOVE							
Above/Below (mm)	50		_					
Scour Protection		N	4	300x400x300mm scour @ NE corner.				
(Type : NONE)				2mWx6mLx0.6mD scour hole.				
(Avg. Rock Size(mm):)								
Scour/Erosion		N	4					
Beavers (Y/N)	No							
Downstream End General Ratio	ng	4	4					
			Str <u>uctu</u>	re Usage				
		Last		Explanation of Condition				
Channel (U/S and D/S)								
Alignment		7	7					
				Incised channel.				
Bank Stability		7	7					
HWM (m below Top of Culvert)				Hwm not visible				
Drift (Y/N)	Yes			Large dead fall.				
Channel Bottom Degrading/Aggrading	DEGRADING			Incised channel.				
Beavers (Y/N) No								
(Fish Compensation Measure 1 : NONE)								
(Fish Compensation Measure 2 :	NONE)							

Structure Usage									
	Last Now Explanation of Condition								
Channel General Rating		7	7						

		Maintenand	ce Recommend	dations					
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	3								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUT	OFF								
REPAIR SEAMS									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	low) 55.6/77	3.8 Sufficiency Rating (I (%)	_ast/Now)	50.0/60.8	Est. Repl. Yr	2028	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	Russel Vande	schaaf	Previous	Assistant's Name					
Next Inspection Date	21-May-2014		Previous	Inspection Date	24-Nov-2010				
Inspection Cycle (Default) (months)	21								
Comment									