09586 -1 Bridge Culvert

Bridge File Number 1966									
Vear Built									
Bridge or Town Name									
Located Over TRIBUTARY TO FROG CK, 6.7.5, WATERCRS-ST Assistant Name Located On 897:10 C1 4.538 Water Body CI./Year Navigabil. CI./Year Legal Land Location Longitude, Latitude -110:24:43, 54:00:47 Road Authority Alberta Transportation (AIT) Contract Main. Area CMA08 Clear Roadway/Skew 9.4 / 15 deg. (RHF) AROAD Clussification RCU-210-110 Detour Length (km) 100 Bridge Culvert Information Number of Culverts 1 Pipe # Barrel Span Rise (or Dia.) Type Length Corr. Profile Thickness 1 MAIN 2489 1753 RPP 30.5 152X51 3.0,3.0,2.8 PIPE A Special Features Comment Utilities (Located at) Utility Attachments Telephone East r/w. BF tag installed @ East end, exterior of South bevel. Approach Road / Embankment Assistant Name Assistant Name Assistant Class Inspection Date 14-Dec-2011 Data Entry By Theresa Lacusta Data Entry By Theresa Lacusta Data Entry Date 14-Jan-2012 Review Name Eric Carcoux Review Date 04-Jan-2012 Dept. Review Name Brent Herrick Dept. Review Date 18-Jan-2012 Follow-Up By Water Body CI./Year Legal Lond Location Assistant Name Assistant Name Assistant Name Assistant Class Inspection Date 14-Dec-2011 Data Entry By Theresa Lacusta Data Entry By Theresa Lacusta Data Entry By Theresa Lacusta Detection Date 14-Dec-2011 Review Pame Eric Carcoux Review Date 14-Jan-2012 Review Date 14-Jan-2012 Pept. Review Date 18-Jan-2012 Follow-Up By Water Body Ci./Year Legal Lond Location Assistant Class Inspection Date 14-Dec-2011 Data Entry By Theresa Lacusta 14-Dec-2012 Review Data Entry By Theresa Lacusta Data Entry By T									
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	th &								
E									
Roadway Width (m) 9.400									
Embankment 8 8									
Sideslope (:1) 3.0									
(Height of Cover(m) : 1.7)									
Guardrail (Y/N) Yes East side only. Minor strike damage to 8 sections, still functional.									
Approach Road / Embankment General Rating 6 6									
Upstream End	Unstream End								
Culvert Component Last Now Explanation of Condition									
Direction E									
End Treatment (Concrete, Steel, STEEL Others, None)									
Headwall X X									

09586 -1 Bridge Culvert

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
Collar		X	X	
Wingwalls		Х	Х	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	50			
Scour Protection		6	6	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
(Avg. Rock Size(mm) : 300) Scour/Erosion Beavers (Y/N) Upstream End General Rating Culvert Component (Pipe # : 1, Primary Span, Location Code: MAIN, Span Barrel Last Accessible Date Special Features Special Feature		6	6	
Beavers (Y/N)	Yes			Beaver dam just U/S.
Upstream End General Rating		6	6	
		Brid	dae Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
-	tion Code: MAIN. Spa			
			<u>′</u>	Viewed from ends, shape and condition appear ok.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Type:)				
Roof		5	N	Water/ice 1.1m
Measured Rise (mm)	1635			(20/Mar/2002) Not measured.
Measured At Ring No.				
Sag (mm)	118			
Percent Sag				
Sidewall		5	N	
Measured Span (mm)	2585			
Measured At Ring No.				
Deflection (mm)	96			
Percent Deflection	4			
Floor		N	N	Covered in water/ice.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams	I	7	N	
Separation (mm)	0			
Longitudinal Seams	I	7	N	
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)	Yes			

Culvert Component		Brio	lge Cu	Ivert Barrel					
		Last		Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm): 2489	, Rise (mm): 1753, Type: RPP)					
Coating		6	N						
Corrosion By Soil (Y/N)									
Corrosion By Water (Y/N)	Yes								
Camber POS/ZERO/NEG	NEG								
Ponding (Y/N) Yes									
Fish Passage Adequacy		5	5						
Baffle		Х	Х						
(Type:)									
Waterway Adequacy		5	5	A441/O					
Icing (Y/N)	No			At U/S opening.					
Silting (Y/N)	Yes								
Drift (Y/N)	Yes								
Barrel General Rating		5	5	General rating carried fwd from AUg, 2008.					
		D	ownstr	ream End					
Culvert Component		Last	Now	Explanation of Condition					
Direction		W							
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall		Х	Х						
Collar		Х	Х						
Wingwalls		Х	X						
(Shape:)									
Cutoff Wall		Х	Х						
Bevel End		7	7						
Heaving (mm)	100								
Invert Above/Below Stream Bed									
Above/Below (mm)	110								
Scour Protection		7	7						
(Type : RIP RAP)									
(Avg. Rock Size(mm) : 250)									
Scour/Erosion		7	7						
Beavers (Y/N)	No								
Downstream End General Rating			7						
		s	tructu	re Usage					
		1	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment		8	8	U/S is large slough.					
Bank Stability		8	8						
Darin Otability									
HWM (m below Top of Culvert)				HWm not visible					
Drift (Y/N)	Yes			(High water reaches crown or higher. 94/09/20)					

Structure Usage					
		Last	Now	Explanation of Condition	
Channel Bottom Degrading/Aggrading					
Beavers (Y/N)	Yes				
(Fish Compensation Measure 1 : NONE)					
(Fish Compensation Measure 2 : NONE)					
Channel General Rating		8	8		

		Maintanan	oo Dooommon	lations					
Inancetor Decemmendations	Veer		ce Recommend		onto		Torget Veer	Fot Coot	Cot 4
Inspector Recommendations	Year	Inspector Comments		Department Comm	ents		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS PLACE ADDITIONAL RIP RAP									+
REMOVE DRIFT ACCUMULATION	2012	Beaver dam/debris on East sid	lo.						+
INSTALL CONCRETE/STEEL LINING		Deaver dam/debits on East sid	ie.						+
INSTALL STRUTS	,								+
INSTALL CONCRETE COLLAR/CUT	OFF								+
REPAIR SEAMS	JFF								+
OTHER ACTION									+
OTHER ACTION									+
OTHER ACTION									+
OTHER ACTION									
Structural Condition Rating (Last/Now) 55.6/55.6 Sufficiency Rating (Last/Now) (%)		Last/Now)	56.7/56.5	Est. Repl. Yr	2025	Maint. Re	qd. (Y/N)	Yes	
Special Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	stimated Total	I 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Dave Lam		Previous	Assistant's Name					
Next Inspection Date	14-Mar-2015		Previous	Inspection Date	10-Aug-2008				
Inspection Cycle (Default) (months)	39								
Comment									