Bridge Culvert Inspection														
Bridge File Number		72243 -1 Bridge Culvert					Form Type			CUL1				
Year Built 1		1966	1966							3				
Bridge or Town Name ROCH		ROCKY	ROCKY MT HOU				Inspector Name			Owen Salava				
Located Over PREN			RENTICE CREEK, 6.156, WATERCRS-ST					or Class		BR CLS A				
Located On 756:02 C			C1 4.003				Assistant Name							
Water Body CI./Year							Assistant Class							
Navigabil. Cl./Year							Inspection Date			03-Feb-2011				
Legal Land Location SE SEC			C 13 TWP 40 R		Data Entry By			Marcia Chavez						
Longitude, Latitude -115:0			:35, 52:26:23		Data Entry Date			09-Mar-2011						
Road Authority Alberta			Iberta Transportation (AIT)					er Name		John O'Brien				
Contract Main. Area CMA18			A18					Date		17-Feb-2011				
Clear Roadway/Skew 9 / 0 de		9 / 0 de	0 deg.					Reviewer	Name	Chris Black				
AADT/Year		1,500 / 2	0 / 2009 (A)					Review Da	ate	10-Mar-2011				
Road Classifica	ation	RCU-20	J-209-110					Uр Ву						
Detour Length (	(km)	7												
Bridge Culvert	Inform	nation												
Number of Culv	/erts		1								1			
Pipe #	Barrel		Span	Rise (or	r Dia.) Type			Length		Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN		-	2438		SP		33.5		152X51	3.0	ROUND		
Special Feature	es													
Special Features Comment														
Litility Attachme	onte				Ul	nues (I	-ocaleu	atj						
	West	r/w												
Power	3 wire	25m E	ast of c/l			Municir	ادر							
Others	5 WIIC	5 2011 L				Probler	m (V/N)	No						
Remarks									110					
				Ar	oproad	ch Road	d / Emba	ankment						
Last Now Explanation of Condition														
Horizontal Alignment				8	8									
Vertical Alignment				8	8									
Roadway Width (m)		9.000												
Embankment					7	7								
Sideslope ( :1)		4.0				1								
(Height of Cover(m) : <b>1.8</b> )							]							
Guardrail (Y/N)		No												
Approach Roa	Approach Road / Embankment General Rating					8								
						Upstre	am End							
Culvert Component			Last	Now	Explan	ation of	Condit	ion						
Direction														
End Treatment (Concrete, Steel, STEEL Others, None)														
Headwall				Х	Х									
Collar				Х	Х									
Wingwalls				Х	Х									
(Shape : )														
Cutoff Wall					Х	X								

Alberta Transportation

	1	Upstream End									
Culvert Component		Last	Now	Explanation of Condition							
Bevel End		N	N	(Hole in bevel end & corrosion.							
Heaving (mm)			Rock in mouth of bevel end. 99/10/12). (Not visible, heavy rock deposit - photo. 06Sep2005). Under ice. Roof slightly damaged - photo.								
Invert Above/Below Stream Bed	BELOW										
Above/Below (mm)	400										
Scour Protection		7	N	Snow covered.							
(Type : <b>RIP RAP</b> )											
(Avg. Rock Size(mm) : 300)											
Scour/Erosion		7	N	Snow covered.							
Beavers (Y/N)	No										
Upstream End General Rating		4	4	GR carried forward from 06Sep2005.							
		Brid	dge Cu	Ivert Barrel							
Culvert Component		Last	Now	Explanation of Condition							
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm	):	, Rise (mm): 2438, Type: SP)							
Barrel Last Accessible Date	03-Feb-2011										
Special Features											
Special Feature											
(Type : )											
Special Feature											
(Type:)											
Roof		7	7								
Measured Rise (mm)				Midspan (Est due to rocks on floor, 06SEp2005), Unable to measure due							
Measured At Ring No.				to ice.							
Sag (mm)	40			1.0%							
Percent Sag	2										
Sidewall		7	7								
Measured Span (mm)	2480			_							
Measured At Ring No.	4			_							
Deflection (mm)	42			1.6%							
Percent Deflection	2										
Floor			N	Rocks on floor.							
Bulge (mm)	40			(Oct. 12/99)							
Measured At Ring No.				(Oct 12/99)							
Abrasion (Y/N)	No										
Circumferential Seams	1	4	4	First 2 circumferential seam bolts are coming loose, some already							
Separation (mm)	0		1								
Longitudinal Seams		4	4	Missing bolt on 2 lap joints near U/S end, S & N sidewall - photo.							
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										
Coating		4	4	Some pitting from springline down.							
Corrosion By Soil (Y/N)	Yes										
Corrosion By Water (Y/N)	Yes										
Camber POS/ZERO/NEG	NEG										

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

72243 -1 Bridge Culvert

Bridge Culvert Barrel										
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm):		, Rise (mm): 2438, Type: SP)						
Ponding (Y/N) Yes				(600mm due to rocks in inlet & outlet. 06Sep2005).						
Fish Passage Adequacy		6	6							
Baffle		Х	Х							
(Type : )										
Waterway Adequacy			6							
Icing (Y/N)	Yes			Ice build-up at inlet.						
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		4	4							
			ownstr	ream End						
Culvert Component		Last	Now	Explanation of Condition						
Direction		Luot	non							
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		Х	Х							
Collar		Х	Х							
Wingwalls		Х	Х							
(Shape : )										
Cutoff Wall		X	Х							
Bevel End		5	5	(Heavy rock deposit. 06Sep2005).						
Heaving (mm)	60									
Invert Above/Below Stream Bed				-						
Above/Below (mm)	0		1							
Scour Protection		5	N	(12m dia shallow basin eroded off D/S end. 06Sep2005).						
				-						
(Avg. Rock Size(mm) : <b>250</b> )			N							
Scour/Erosion		5								
Beavers (Y/N)	No									
Downstream End General Ration	ng	5	5							
		S	structu	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		7	7	(99/10/12)						
Bank Stability			5							
HWM (m below Top of Culvert) 1.5										
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			7							

Maintenance Recommendations													
Inspector Recommendations			Year	Inspecto	r Comments		Department Comments				Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS													
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION													
INSTALL CONCRETE/STEEL LINING													
INSTALL STRUTS													
INSTALL CONCRETE COLLAR/CUTOFF													
REPAIR SEAMS													
OTHER ACTION			2012	Tighten r (L)	nut where possible when	in the area.							
OTHER ACTION													
OTHER ACTION													
OTHER ACTION													
Structural Condition Rating (Last/Now) (%)			44.4/44.	4 Sufficiency Rating (La (%)		st/Now)	ow) 51.8/51.9		Est. Repl. Yr 2019		Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection Watch for separation where missing bolts/nuts.					3.		Department Comments						
Maintenance Reviewed By						Date	Estimated Total 0						
Proposed Long-Term Strategy 2		2004.0	5.30 Culv	/ert ok un	til 2026.								
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name Da		Dave Lam Previous /					Assistant's Name						
Next Inspection Date		03-May-2014 Previou				Previous I	Inspection Date 22-Nov-2005						
Inspection Cycle (Default) (months) 39													
Comment													