

Bridge Culvert Inspection			
Bridge File Number	70055 -1 Bridge Culvert	Form Type	CUL1
Year Built	1987	Lot No.	4
Bridge or Town Name	CLAIRMONT	Inspector Name	Russel Vanderschaaf
Located Over	TRIBUTARY TO BEAR RIVER, 8.10.58.18.2.9, WATERCRS-ST	Inspector Class	BR CLS B
Located On	672:04 C1 19.576	Assistant Name	
Water Body Cl./Year		Assistant Class	
Navigabil. Cl./Year		Inspection Date	11-May-2010
Legal Land Location	SW SEC 18 TWP 73 RGE 7 W6M	Data Entry By	Theresa Lacusta
Longitude, Latitude	-119:04:35, 55:18:58	Data Entry Date	11-Jun-2010
Road Authority	Alberta Transportation (AIT)	Reviewer Name	Arnold Assenheimer
Contract Main. Area	CMA05	Review Date	07-Jun-2010
Clear Roadway/Skew	9.3 / -10 deg. (LHF)	Dept. Reviewer Name	Steve Pasquan
AADT/Year	1,210 / 2009 (A)	Dept. Review Date	19-Aug-2010
Road Classification	RCU-209-110	Follow-Up By	
Detour Length (km)	5		

Bridge Culvert Information

Number of Culverts	1							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN	-	3700	SP	32.3	152X51	3.0	ROUND
Special Features								
Special Features Comment								

Utilities (Located at)

Utility Attachments			
Telephone	South r/w	Gas	
Power	North r/w	Municipal	
Others		Problem (Y/N)	No
Remarks			

Approach Road / Embankment

		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Passing both directions.
Vertical Alignment		8	8	Resident access 120m East.
Roadway Width (m)	9.300			
Embankment		8	8	
Sideslope (__:1)	2.5			
(Height of Cover(m) : 1.8)				
Guardrail (Y/N)	No			
Approach Road / Embankment General Rating		7	7	

Upstream End

Culvert Component		Last	Now	Explanation of Condition
Direction		N		
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		8	7	
Collar		N	6	Wide cracks in collar.
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		N	N	

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Bevel End		N	N	Under water
Heaving (mm)	30			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	1300			
Scour Protection		N	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 100)				
Scour/Erosion		N	7	
Beavers (Y/N)	No			
Upstream End General Rating		7	6	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 3700, Type: SP)				
Barrel Last Accessible Date	13-Feb-2007			
Special Features				
Special Feature				Water 2m below crown, to high to access. Shape looks good as viewed from ends.
(Type :)				
Special Feature				
(Type :)				
Roof		7	N	13-Feb-2007
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	56			
Percent Sag				
Sidewall		7	N	SIDEWALL ONLY VISIBLE FROM 3:00 & 9:00 POSITIONS AND UP. At cl, span 3790,IN ICE.-13-Feb-2007
Measured Span (mm)	3790			
Measured At Ring No.	4			
Deflection (mm)	56			
Percent Deflection	2			
Floor		N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)	Yes			
Circumferential Seams		7	N	
Separation (mm)	0			
Longitudinal Seams		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)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating		6	6	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 3700, Type: SP)				
Fish Passage Adequacy		7	7	
Baffle		X	X	
(Type :)				
Waterway Adequacy		7	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	N	GR 7-13-Feb-2007
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		S		
End Treatment (Concrete, Steel, Others, None)		STEEL		
Headwall		X	X	
Collar		X	X	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		X	X	
Bevel End		N	6	E & W SIDES OF BEVEL PUSHING IN 200mm.
Heaving (mm)	100			
Invert Above/Below Stream Bed		BELOW		
Above/Below (mm)	1400			
Scour Protection		N	6	
(Type : NATURAL)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		N	6	
Beavers (Y/N)		No		
Downstream End General Rating		6	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		7	7	
Bank Stability		8	8	
HWM (m below Top of Culvert)	2,000.0			11-May-2010 Stable
Drift (Y/N)		No		
Channel Bottom Degrading/Aggrading				
Beavers (Y/N)		No		
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		7	7	

Maintenance Recommendations							
Inspector Recommendations	Year	Inspector 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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	77.8/55.6	Sufficiency Rating (Last/Now) (%)	75.0/63.7	Est. Repl. Yr	2023	Maint. Req. (Y/N)	No
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date			Estimated Total	0
Proposed Long-Term Strategy							
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Colin Roy		Previous Assistant's Name				
Next Inspection Date	11-Aug-2013		Previous Inspection Date	13-Feb-2007			
Inspection Cycle (Default) (months)	39						
Comment							