

Bridge Culvert Inspection									
Bridge File Number	82035 -1 Bridge Culvert				Form Type	CUL1			
Year Built	1910				Lot No.	4			
Bridge or Town Name	CLYDE				Inspector Name	Eric Carcoux			
Located Over	TRAIL-ANIMAL, OVER SP				Inspector Class	BR CLS A			
Located On	18:12 C1 9.014				Assistant Name	Brian Cote			
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	26-Aug-2011			
Legal Land Location	SW SEC 34 TWP 59 RGE 24 W4M				Data Entry By	Theresa Lacusta			
Longitude, Latitude	-113:31:12, 54:08:40				Data Entry Date	28-Sep-2011			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer			
Contract Main. Area	CMA10				Review Date	26-Sep-2011			
Clear Roadway/Skew	8.5 / 0 deg.				Dept. Reviewer Name	Brent Herrick			
AADT/Year	1,220 / 2010 (A)				Dept. Review Date	28-Sep-2011			
Road Classification	RAU-209-110				Follow-Up By				
Detour Length (km)	6								
Bridge Culvert Information									
Number of Culverts	1								
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN	-	1800	MP	25.7	68X13	2.8	ROUND	
Special Features									
Special Features Comment									
Posting Information									
Required Vert. Clearance Posting (m)									
Posted Vertical Clearance (Y/N)									
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)		Lane	SB	On Bridge (m)
Remarks									
Utilities (Located at)									
Utility Attachments									
Telephone	South r/w.				Gas				
Power	3 lines North r/w				Municipal				
Others					Problem (Y/N)	No			
Remarks	File tag @ North end.								
Approach Road / Embankment									
		Last	Now	Explanation of Condition					
Horizontal Alignment		5	5	Oilfield entrance NE to Wakamo camp. On curve, no passing. Limited sight distance. Superelevated.					
Vertical Alignment		8	8						
Roadway Width (m)		8.500							
Embankment		7	7						
Sideslope (___:1)		4.0							
(Height of Cover(m) : 1.7)									
Guardrail (Y/N)		Yes							
Approach Road / Embankment General Rating		5	5						
Upstream End									
Culvert Component		Last	Now	Explanation of Condition					
Direction		N							
End Treatment (Concrete, Steel, Others, None)		NONE							
Headwall		X	X						

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Collar		X	X	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		X	X	
Bevel End		X	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		7	X	
(Type : NATURAL)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		7	X	
Beavers (Y/N)	No			
Upstream End General Rating		7	7	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1800, Type: MP)				
Barrel Last Accessible Date	26-Aug-2011			
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		4	4	Floor sand covered - shape looks good. 100x100 hole in roof caused by guardrail installation.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	30			Estimated
Percent Sag	2			
Sidewall		7	7	Measured @ c/l.
Measured Span (mm)	1840			
Measured At Ring No.				
Deflection (mm)	40			2.2%
Percent Deflection	2			
Floor		N	N	Covered with sand.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm)	30			
Longitudinal Seams		X	X	
Total No. of Cracked Rings				
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1800, Type: MP)				
Coating		7	7	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			
Fish Passage Adequacy		X	X	
Baffle		X	X	
(Type :)				
Waterway Adequacy		X	X	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	7	
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		S		
End Treatment (Concrete, Steel, Others, None)	NONE			
Headwall		X	X	
Collar		X	X	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		X	X	
Bevel End		X	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		7	7	
(Type : NATURAL)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Downstream End General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7	7	Granular/sand. Blown sand reduces clearance @ South end.
Roadway Surface		7	7	
(Type :)				
Icing (Y/N)	No			

Structure Usage				
		Last	Now	Explanation of Condition
Traffic Safety Features		X	X	
Type	NONE			
Lighting		X	X	
Barrel Leakage (Y/N)	No			
Drainage		7	7	
Structure In Use (Y/N)	No			Fenced across entrance @ S. r/w, fences down @ N. end.
Grade Separation 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) (%)	77.8/77.8	Sufficiency Rating (Last/Now) (%)	82.2/82.3	Est. Repl. Yr	2029	Maint. Reqd. (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	Eric Carcoux		Previous Assistant's Name				
Next Inspection Date	26-May-2013		Previous Inspection Date	17-Dec-2009			
Inspection Cycle (Default) (months)	21						
Comment							