

Bridge Culvert Inspection				
Bridge File Number	79557 -1 Bridge Culvert		Form Type	CUL1
Year Built	1981		Lot No.	4
Bridge or Town Name	SUNSET HOUSE		Inspector Name	Brian Pientsch
Located Over	TRAIL-ANIMAL, OVER SP		Inspector Class	BR CLS A
Located On	747:02 C1 18.760		Assistant Name	Lisbeth Medina
Water Body Cl./Year			Assistant Class	
Navigabil. Cl./Year			Inspection Date	30-Nov-2010
Legal Land Location	SE SEC 20 TWP 72 RGE 19 W5M		Data Entry By	Theresa Lacusta
Longitude, Latitude	-116:52:46, 55:14:50		Data Entry Date	03-Jan-2011
Road Authority	Alberta Transportation (AIT)		Reviewer Name	Arnold Assenheimer
Contract Main. Area	CMA06		Review Date	20-Dec-2010
Clear Roadway/Skew	9 /		Dept. Reviewer Name	David Morrison
AADT/Year	490 / 2009 (A)		Dept. Review Date	08-Apr-2011
Road Classification	RCU-210-110		Follow-Up By	
Detour Length (km)	50			

Bridge Culvert Information								
Number of Culverts		1						
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN	-	2000	MP	27	125X26	2.8	ROUND
Special Features								
Special Features Comment								

Posting Information												
Required Vert. Clearance Posting (m)												
Posted Vertical Clearance (Y/N)			No									
Posted:	Lane	NB	On Bridge (m)		In Advance (Y/N)	No	Lane	SB	On Bridge (m)		In Advance (Y/N)	No
Remarks												

Utilities (Located at)			
Utility Attachments			
Telephone			Gas
Power			Municipal
Others			Problem (Y/N) No
Remarks			

Approach Road / Embankment				
		Last	Now	Explanation of Condition
Horizontal Alignment		6	6	Intersection 10m North.
Vertical Alignment		7	7	
Roadway Width (m)	9.000			
Embankment		7	6	
Sideslope (___:1)	3.0			
(Height of Cover(m) : 2)				
Guardrail (Y/N)	Yes			End of gaurdrail west side only.
Approach Road / Embankment General Rating		6	6	

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction				(East)
End Treatment (Concrete, Steel, Others, None)		NONE		
Headwall		X	X	
Collar		X	X	

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Wingwalls (Shape :)		X	X	
Cutoff Wall		X	X	
Bevel End		X	X	
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection (Type : NONE) (Avg. Rock Size(mm) :)		4	4	SLOPES slumped AROUND END OF PIPE APPROX 3m at each side.
Scour/Erosion		4	4	
Beavers (Y/N)	No			
Upstream End General Rating		4	4	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 2000, Type: MP)				
Barrel Last Accessible Date	30-Nov-2010			
Special Features				
Special Feature (Type :)				
Special Feature (Type :)				
Roof		6	6	@cl
Measured Rise (mm)	1922			
Measured At Ring No.				
Sag (mm)	78			
Percent Sag	4			
Sidewall		6	6	@cl
Measured Span (mm)	2075			
Measured At Ring No.				
Deflection (mm)	75			
Percent Deflection	4			
Floor		6	6	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm)	40			
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)				
Coating		7	7	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 2000, Type: MP)				
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
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		6	6	

Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction				(West)
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)				
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	250			
Scour Protection		4	4	Banks slumped 2m into slope at each side of pipe.-photo
(Type : NONE)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		4	4	
Beavers (Y/N)	No			
Downstream End General Rating		4	4	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7	7	
Roadway Surface		7	7	
(Type : ACP)				
Icing (Y/N)	No			
Traffic Safety Features		X	X	
Type				
Lighting		X	X	
Barrel Leakage (Y/N)	No			

Structure Usage				
		Last	Now	Explanation of Condition
Drainage		7	7	
Structure In Use (Y/N)	No			
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) (%)	66.7/66.7	Sufficiency Rating (Last/Now) (%)	63.3/63.4	Est. Repl. Yr	2026	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Monitor slopes.		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	Brian Pientsch		Previous Assistant's Name	Tim Miskiman			
Next Inspection Date	28-Feb-2014		Previous Inspection Date	24-Jul-2007			
Inspection Cycle (Default) (months)	39						
Comment							