

Bridge Culvert Inspection												
Bridge File Number	79065 -1 Bridge Culvert					Form Type	CUL1					
Year Built	1978					Lot No.	4					
Bridge or Town Name	CALAHOO					Inspector Name	Melanie Johnson					
Located Over	TRAIL-ANIMAL, OVER SP					Inspector Class	BR CLS B					
Located On	37:02 C1 19.157					Assistant Name						
Water Body Cl./Year						Assistant Class						
Navigabil. Cl./Year						Inspection Date	08-Nov-2011					
Legal Land Location	SW SEC 5 TWP 55 RGE 27 W4M					Data Entry By	Theresa Lacusta					
Longitude, Latitude	-113:59:08, 53:43:04					Data Entry Date	19-Nov-2011					
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Eric Carcoux					
Contract Main. Area	CMA09					Review Date	13-Nov-2011					
Clear Roadway/Skew	7.9 /					Dept. Reviewer Name	Brent Herrick					
AADT/Year	2,580 / 2010 (A)					Dept. Review Date	15-Dec-2011					
Road Classification	RAU-209-110					Follow-Up By						
Detour Length (km)	3											
Bridge Culvert Information												
Number of Culverts	1											
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	PI./Slab Thickness	Shape				
1	MAIN	-	2100	MP	18.3	75X25	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	Not required.											
Utilities (Located at)												
Utility Attachments												
Telephone	South r/w 14m from cl.					Gas						
Power	3 wire o/h South r/w					Municipal						
Others						Problem (Y/N)	No					
Remarks												
Approach Road / Embankment												
			Last	Now	Explanation of Condition							
Horizontal Alignment			6	6	Curve to east & west, limited sight distance. No passing.							
Vertical Alignment			7	7								
Roadway Width (m)	8.000											
Embankment			5	5	Scour hole NE, SW & NW. Grassed and stable.							
Sideslope (__:1)	3.0											
(Height of Cover(m) : 1.2)												
Guardrail (Y/N)	Yes				Corroded.							
<b>Approach Road / Embankment General Rating</b>			<b>6</b>	<b>6</b>								
Upstream End												
<b>Culvert Component</b>			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		X	X	
(Type : )				
(Avg. Rock Size(mm) : )				
Scour/Erosion		X	X	
Beavers (Y/N)	No			
<b>Upstream End General Rating</b>		<b>7</b>	<b>7</b>	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 2100, Type: MP)				
Barrel Last Accessible Date	08-Nov-2011			
<b>Special Features</b>				
Special Feature				
(Type : )				
Special Feature				
(Type : )				
Roof		6	6	Est @ cl
Measured Rise (mm)	2120			
Measured At Ring No.	2			
Sag (mm)	20			
Percent Sag	1			
Sidewall		6	6	measured at cl
Measured Span (mm)	2082			
Measured At Ring No.	2			
Deflection (mm)	18			Deflects inwards.
Percent Deflection	1			
Floor		N	N	Dirt on floor. Approx 300mm deep at South.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm)	75			
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): 2100, Type: MP)				
Coating		5	4	Minor pitting corrosion on roof outside of barrel.
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			
<b>Barrel General Rating</b>		<b>6</b>	<b>6</b>	

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		X	X	
(Type : )				
(Avg. Rock Size(mm) : )				
Scour/Erosion		X	X	
Beavers (Y/N)	No			
<b>Downstream End General Rating</b>		<b>7</b>	<b>7</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		9	9	
Roadway Surface		7	7	
(Type : SOIL)				
Icing (Y/N)	No			
Traffic Safety Features		X	X	
Type				

Structure Usage				
		Last	Now	Explanation of Condition
Lighting		X	X	
Barrel Leakage (Y/N)	No			
Drainage		5	5	
Structure In Use (Y/N)	Yes			
<b>Grade Separation General Rating</b>		<b>5</b>	<b>5</b>	

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							
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>66.7/66.7</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>75.3/75.3</b>	Est. Repl. Yr	2025	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Access requirement for structure during Hwy 37 roadway upgrading.		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	Brian Cote			
Next Inspection Date	08-Aug-2013		Previous Inspection Date	09-Jun-2011			
Inspection Cycle (Default) (months)	21						
Comment							