

Bridge Culvert Inspection											
Bridge File Number	81065 -1 Bridge Culvert				Form Type	CUL1					
Year Built	1987				Lot No.	3					
Bridge or Town Name	TURNER VALLE				Inspector Name	Jon Davies					
Located Over	TRAIL-ANIMAL, OVER SP				Inspector Class	BR CLS B					
Located On	546:02 C1 9.231				Assistant Name						
Water Body Cl./Year					Assistant Class						
Navigabil. Cl./Year					Inspection Date	08-Feb-2013					
Legal Land Location	SE SEC 4 TWP 20 RGE 3 W5M				Data Entry By	Lauren Korte					
Longitude, Latitude	-114:21:13, 50:39:33				Data Entry Date	09-Mar-2013					
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts					
Contract Main. Area	CMA27				Review Date	21-Feb-2013					
Clear Roadway/Skew	9 /				Dept. Reviewer Name	Tim Davies					
AADT/Year	770 / 2011 (A)				Dept. Review Date	13-Mar-2013					
Road Classification	RCU-209-110				Follow-Up By						
Detour Length (km)	12										
Bridge Culvert Information											
Number of Culverts	1										
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	PI./Slab Thickness	Shape			
1	MAIN	-	2400	MP	23	125X26	2.8	ROUND			
Special Features	CONC FLOOR										
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)		In Advance (Y/N)
Remarks	Not required.										
Utilities (Located at)											
Utility Attachments											
Telephone	South ditch.				Gas	Crossing 75 East.					
Power	1 wire power- 60m NE.				Municipal						
Others					Problem (Y/N)	No					
Remarks											
Approach Road / Embankment											
			Last	Now	Explanation of Condition						
Horizontal Alignment			5	7	Intersection and curves at East.						
Vertical Alignment			8	8							
Roadway Width (m)		9.400									
Embankment			6	6	800mm ditch csp located 5m East. 600mm ditch CSP located 4m from D/S end.						
Sideslope (___:1)		3.0									
(Height of Cover(m) : 0.9)											
Guardrail (Y/N)		Yes			Guardrail collision damage at North.						
Approach Road / Embankment General Rating			5	7							
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)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	500			
Scour Protection		5	5	
(Type : NATURAL)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		5	5	Minor scour, ingrown. Well grassed.
Beavers (Y/N)	No			
Upstream End General Rating		5	5	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 2400, Type: MP)				
Barrel Last Accessible Date	08-Feb-2013			
Special Features				
Special Feature			6	
(Type : CONC FLOOR)				
Special Feature				
(Type :)				
Roof		5	5	General roof shape is adequate.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	116			
Percent Sag	5			
Sidewall		5	5	
Measured Span (mm)	2523			
Measured At Ring No.	2			
Deflection (mm)	123			
Percent Deflection	5			
Floor		N	N	Concrete and dirt covered.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		6	6	Ring 1- from North.
Separation (mm)	60			
Longitudinal Seams		X	X	
Total No. of Cracked Rings	0			
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): 2400, Type: MP)				
Coating		7	7	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		5	X	
Baffle		X	X	
(Type :)				
Waterway Adequacy		7	7	Handles drainage.
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		5	5	

Downstream End					
Culvert Component		Last	Now	Explanation of Condition	
Direction		S		South.	
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	BELOW				
Above/Below (mm)	300				
Scour Protection		6	6	Well grassed.	
(Type : NATURAL)					
(Avg. Rock Size(mm) :)					
Scour/Erosion		6	6		
Beavers (Y/N)	No				
Downstream End General Rating		6	6		

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		6	X	
Roadway Surface		7	6	
(Type : SOIL)				
Icing (Y/N)	No			
Traffic Safety Features		X	X	
Type	NONE			

Structure Usage				
		Last	Now	Explanation of Condition
Lighting		X	X	
Barrel Leakage (Y/N)	No			
Drainage		4	4	D/S minor silt ingrown at D/S prevents adequate drainage.
Structure In Use (Y/N)	Yes			Fencing in place.
Grade Separation General Rating		4	4	

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	2013	Replace T.T post at the North guard rail.					
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	60.6/60.7	Est. Repl. Yr	2028	Maint. Req. (Y/N)	Yes
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	Jason Rusu		Previous Assistant's Name				
Next Inspection Date	08-May-2016		Previous Inspection Date	07-Nov-2009			
Inspection Cycle (Default) (months)	39						
Comment							