

Bridge Culvert Inspection												
Bridge File Number	80512 -1 Bridge Culvert				Form Type	CUL1						
Year Built	1980				Lot No.	4						
Bridge or Town Name	ARDMORE				Inspector Name	Todd Warshawski						
Located Over	TRAIL-ANIMAL, OVER SP				Inspector Class	BR CLS B						
Located On	892:04 C1 5.359				Assistant Name							
Water Body Cl./Year					Assistant Class							
Navigabil. Cl./Year					Inspection Date	15-Dec-2011						
Legal Land Location	SW SEC 1 TWP 64 RGE 4 W4M				Data Entry By	Theresa Lacusta						
Longitude, Latitude	-110:28:43, 54:30:16				Data Entry Date	11-Jan-2012						
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux						
Contract Main. Area	CMA08				Review Date	30-Dec-2011						
Clear Roadway/Skew	12 /				Dept. Reviewer Name	Brent Herrick						
AADT/Year	2,260 / 2010 (A)				Dept. Review Date	18-Jan-2012						
Road Classification	RCU-210-110				Follow-Up By							
Detour Length (km)	100											
Bridge Culvert Information												
Number of Culverts	1											
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	PI./Slab Thickness	Shape				
1	MAIN	-	2000	MP	35	68X13	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)		Lane	SB	On Bridge (m)		In Advance (Y/N)	
Remarks	Not required.											
Utilities (Located at)												
Utility Attachments												
Telephone	In West ditch.				Gas							
Power	3 wires 27.0m East of c/l.				Municipal							
Others					Problem (Y/N)	No						
Remarks	BF tag on top of West end roof.											
Approach Road / Embankment												
			Last	Now	Explanation of Condition							
Horizontal Alignment			7	7	No passing NB. Top of crest curve. Horizontal curve North & South with good sight distance.							
Vertical Alignment			6	6								
Roadway Width (m)	12.000				Numerous transverse cracks in ACP over pipe, typical of roadway.							
Embankment			8	8								
Sideslope (___:1)	4.0											
(Height of Cover(m) : 1.7)												
Guardrail (Y/N)	No											
Approach Road / Embankment General Rating			6	6								
Upstream End												
Culvert Component			Last	Now	Explanation of Condition							
Direction			W									
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				
Above/Below (mm)				
Scour Protection		X	X	
(Type :)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		X	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): 2000, Type: MP)				
Barrel Last Accessible Date	15-Dec-2011			Barrel has a pronounced vertical ellipse shape from compaction.
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		6	5	Minor edge damaged at both ends.
Measured Rise (mm)				Pipe is horizontally compressed..
Measured At Ring No.				
Sag (mm)	31			
Percent Sag	2			
Sidewall		3	4	Inward deflection Coil seam rusting.
Measured Span (mm)	1926			
Measured At Ring No.				
Deflection (mm)	230			
Percent Deflection	12			
Floor		N	N	Covered by dirt.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	5	Poorly aligned connections, minor dents.
Separation (mm)	85			
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): 2000, Type: MP)				
Coating		7	7	Corrosion at col seam in sidewall.
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			
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		3	4	

Downstream End					
Culvert Component		Last	Now	Explanation of Condition	
Direction		E			
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					
Above/Below (mm)					
Scour Protection		X	X		
(Type :)					
(Avg. Rock Size(mm) :)					
Scour/Erosion		X	X		
Beavers (Y/N)	No				
Downstream End General Rating		7	7		

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		8	8	Dirt covering floor.
Roadway Surface		N	N	
(Type : CONCRETE)				

Structure Usage				
		Last	Now	Explanation of Condition
Icing (Y/N)	No			
Traffic Safety Features		X	X	
Type				
Lighting		X	X	
Barrel Leakage (Y/N)	No			
Drainage		5	5	
Structure In Use (Y/N)	No			
Grade Separation General Rating		8	5	

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) (%)	33.3/44.4	Sufficiency Rating (Last/Now) (%)	59.6/63.0	Est. Repl. Yr	2031	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Excessive inward deflection on round design shape.		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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	15-Mar-2015		Previous Inspection Date	14-Aug-2008			
Inspection Cycle (Default) (months)	39						
Comment							