

Bridge Culvert Inspection												
Bridge File Number	80513 -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 6.184				Assistant Name							
Water Body Cl./Year					Assistant Class							
Navigabil. Cl./Year					Inspection Date	15-Dec-2011						
Legal Land Location	NW SEC 1 TWP 64 RGE 4 W4M				Data Entry By	Theresa Lacusta						
Longitude, Latitude	-110:28:43, 54:30:43				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	12.3 /				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	39	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	West r/w.				Gas							
Power	3 wires 27.0m East of c/l.				Municipal							
Others					Problem (Y/N)	No						
Remarks	BF tag installed @ top of West end roof.											
Approach Road / Embankment												
			Last	Now	Explanation of Condition							
Horizontal Alignment			6	6	Structure located on a curve. Superelevation. No passing NB. Numerous wide transverse cracks in ACP over pipe.							
Vertical Alignment			7	7								
Roadway Width (m)	12.300											
Embankment			8	8								
Sideslope (__:1)	5.0											
(Height of Cover(m) : 2.2)												
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)	100			
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		X	X	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 150)				
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			
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		4	4	Pipe is horizontally compressed and twisted.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall		4	4	Inward deflection
Measured Span (mm)	1860			
Measured At Ring No.				
Deflection (mm)	140			
Percent Deflection				
Floor		N	N	Dirt covered.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		8	6	Gaps in seams from distored pipes.
Separation (mm)	80			
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 By Soil (Y/N)				
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		8	X	
Icing (Y/N)	No			
Siltting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		4	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)	100			
Invert Above/Below Stream Bed				
Above/Below (mm)				
Scour Protection		X	X	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 150)				
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		7	7	
Roadway Surface		N	N	Dirt covering concrete floor.
(Type : CONCRETE)				
Icing (Y/N)	No			

Structure Usage				
		Last	Now	Explanation of Condition
Traffic Safety Features		X	X	
Type				
Lighting		X	X	
Barrel Leakage (Y/N)	No			
Drainage		5	5	
Structure In Use (Y/N)	Yes			
Grade Separation General Rating		7	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) (%)	44.4/44.4	Sufficiency Rating (Last/Now) (%)	60.9/63.0	Est. Repl. Yr	2035	Maint. Req. (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	Dave Lam		Previous Assistant's Name				
Next Inspection Date	15-Mar-2015		Previous Inspection Date	14-Aug-2008			
Inspection Cycle (Default) (months)	39						
Comment							