

Bridge Culvert Inspection												
Bridge File Number	01212 -1 Bridge Culvert					Form Type	CUL1					
Year Built	1972					Lot No.	4					
Bridge or Town Name	ISLAND LAKE					Inspector Name	Todd Warshawski					
Located Over	TRAIL-ANIMAL, OVER SP					Inspector Class	BR CLS B					
Located On	2:42 C1 34.283					Assistant Name						
Water Body Cl./Year						Assistant Class						
Navigabil. Cl./Year						Inspection Date	29-Mar-2013					
Legal Land Location	NW SEC 22 TWP 68 RGE 24 W4M					Data Entry By	Theresa Lacusta					
Longitude, Latitude	-113:34:58, 54:54:08					Data Entry Date	17-Apr-2013					
Road Authority	Alberta Transportation (AIT)					Reviewer Name	Eric Carcoux					
Contract Main. Area	CMA10					Review Date	03-Apr-2013					
Clear Roadway/Skew	9.6 /					Dept. Reviewer Name	Brent Herrick					
AADT/Year	1,510 / 2012 (A)					Dept. Review Date	23-Apr-2013					
Road Classification	RAU-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	PI./Slab Thickness	Shape				
1	MAIN	-	1980	CP	30.5			ROUND				
Special Features												
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)	No	Lane	SB	On Bridge (m)		In Advance (Y/N)	No
Remarks	Not required.											
Utilities (Located at)												
Utility Attachments												
Telephone	West r/w					Gas						
Power						Municipal						
Others						Problem (Y/N)	No					
Remarks												
Approach Road / Embankment												
			Last	Now	Explanation of Condition							
Horizontal Alignment			6	6	On curve near bottom of sag. Limited sight distance both directions.							
Vertical Alignment			6	6								
Roadway Width (m)	9.600											
Embankment			8	8								
Sideslope (___:1)	3.0											
(Height of Cover(m) : 1.9)												
Guardrail (Y/N)	Yes				Minor strike damage on both rails, still functional.							
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								
Collar			X	X								

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		X	X	
Bevel End		X	X	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	150			
Scour Protection		X	X	
(Type : NATURAL)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		X	X	
Beavers (Y/N)	No			
Upstream End General Rating		8	8	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1980, Type: CP)				
Barrel Last Accessible Date	29-Mar-2013			
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		6	6	Longitudinal medium cracks on roof intermittent.
Measured Rise (mm)	1970			
Measured At Ring No.	6			
Sag (mm)				
Percent Sag	0			
Sidewall		8	8	
Measured Span (mm)	1970			
Measured At Ring No.	6			
Deflection (mm)	5			
Percent Deflection	0			
Floor		8	8	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		6	4	Minor seam spalls at R 2/3 and R 11/12.
Separation (mm)	60			
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		X	X	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1980, Type: CP)				
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			
Siltng (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		6	6	

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	BELOW			
Above/Below (mm)	150			
Scour Protection		X	X	
(Type : NATURAL)				
(Avg. Rock Size(mm) :)				
Scour/Erosion		X	X	
Beavers (Y/N)	No			
Downstream End General Rating		8	8	

Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		9	X	Concrete pipe, no floor cast.
Roadway Surface		7	7	
(Type :)				
Icing (Y/N)	No			
Traffic Safety Features		X	X	
Type	NONE			
Lighting		X	X	
Barrel Leakage (Y/N)	Yes			At seams

Structure Usage				
		Last	Now	Explanation of Condition
Drainage		7	7	
Structure In Use (Y/N)	No			Tree growing at d/s end.
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) (%)	78.3/78.3	Est. Repl. Yr	2035	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Monitor seams for further deterioration.		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	Kris Bosters		Previous Assistant's Name				
Next Inspection Date	29-Dec-2014		Previous Inspection Date	07-Jul-2011			
Inspection Cycle (Default) (months)	21						
Comment							