

Bridge Culvert Inspection												
Bridge File Number	79449 -1 Bridge Culvert				Form Type	CUL1						
Year Built	1981				Lot No.	4						
Bridge or Town Name	CASLAN				Inspector Name	Todd Warshawski						
Located Over	TRAIL-ANIMAL, OVER SP				Inspector Class	BR CLS B						
Located On	663:08 C1 11.897				Assistant Name							
Water Body Cl./Year					Assistant Class							
Navigabil. Cl./Year					Inspection Date	09-Mar-2010						
Legal Land Location	SW SEC 20 TWP 65 RGE 16 W4M				Data Entry By	Theresa Lacusta						
Longitude, Latitude	-112:23:57, 54:38:05				Data Entry Date	23-Mar-2010						
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Arnold Assenheimer						
Contract Main. Area	CMA08				Review Date	11-Mar-2010						
Clear Roadway/Skew	8 /				Dept. Reviewer Name	Brent Herrick						
AADT/Year	980 / 2008 (A)				Dept. Review Date	24-Mar-2010						
Road Classification	RCU-209-110				Follow-Up By							
Detour Length (km)	5											
Bridge Culvert Information												
Number of Culverts	1											
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape				
1	MAIN	-	1800	MP	20.1	125X26	2.8	ROUND				
Special Features												
Special Features Comment	BF tag on N bevel loose.											
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	None required.											
Utilities (Located at)												
Utility Attachments												
Telephone					Gas							
Power					Municipal							
Others					Problem (Y/N)							
Remarks												
Approach Road / Embankment												
			Last	Now	Explanation of Condition							
Horizontal Alignment			7	7	Residential access East, intersection to West. Crest curve to East with no passing.							
Vertical Alignment			7	7								
Roadway Width (m)	8.000											
Embankment			N	7	0.7m							
Sideslope (__:1)	3.0											
(Height of Cover (m) :)												
Guardrail (Y/N)	No											
Approach Road / Embankment General Rating			7	7								
Upstream End												
Culvert Component			Last	Now	Explanation of Condition							
Direction			N									
End Treatment (Concrete, Steel, Others, None)	STEEL											
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		N	6	Minor damage to top of bevel.
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		X	X	
(Type :)				
(Avg. Rock Size (mm) :)				
Scour/Erosion		X	X	
Beavers (Y/N)	No			
Upstream End General Rating		7	6	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): -, Rise (mm): 1800, Type: MP)				
Barrel Last Accessible Date	09-Mar-2010			
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		8	7	
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	10			Est. @ 2%
Percent Sag				1.55m vertical clearance floor to crown.
Sidewall		7	7	
Measured Span (mm)	1819			@ cl
Measured At Ring No.				
Deflection (mm)	19			
Percent Deflection	1			
Floor		N	N	Covered with cold mix, and ice.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	7	
Separation (mm)	40			
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): 1800, Type: MP)				
Coating		7	7	
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		N	7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	7	
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		S		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		X	X	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		X	X	
Bevel End		N	6	Minor mower damage at crown.
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	100			
Scour Protection		X	X	
(Type :)				
(Avg. Rock Size (mm) :)				
Scour/Erosion		X	X	
Beavers (Y/N)	No			
Downstream End General Rating		7	6	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7	7	
Roadway Surface		6	7	
(Type :)				Cold mix/gravel.
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		4	4	Soil and debris at North end blocks drainage.
Structure In Use (Y/N)	No			
Grade Separation General Rating		6	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							
OTHER ACTION							
OTHER ACTION							
OTHER ACTION							
Structural Condition Rating (Last/Now) (%)	77.8/77.8	Sufficiency Rating (Last/Now) (%)	82.0/72.2	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	Jason Saly		Previous Assistant's Name				
Next Inspection Date	09-Jun-2013		Previous Inspection Date	05-Dec-2006			
Inspection Cycle (Default) (months)	39						
Comment							