

Bridge Culvert Inspection			
Bridge File Number	78022 -1 Bridge Culvert	Form Type	CUL1
Year Built	1995	Lot No.	4
Bridge or Town Name	PERRYVALE	Inspector Name	Todd Warshawski
Located Over	LITTLE PINE CREEK, 8.11.68.11, WATERCRS-ST	Inspector Class	BR CLS B
Located On	827:04 C1 25.235	Assistant Name	
Water Body Cl./Year		Assistant Class	
Navigabil. Cl./Year		Inspection Date	08-Mar-2010
Legal Land Location	NW SEC 13 TWP 64 RGE 22 W4M	Data Entry By	Janie Assenheimer
Longitude, Latitude	-113:12:24, 54:32:31	Data Entry Date	22-Mar-2010
Road Authority	Alberta Transportation (AIT)	Reviewer Name	Arnold Assenheimer
Contract Main. Area	CMA10	Review Date	11-Mar-2010
Clear Roadway/Skew	9.5 / -42 deg. (LHF)	Dept. Reviewer Name	Brent Herrick
AADT/Year	220 / 2008 (A)	Dept. Review Date	24-Mar-2010
Road Classification	RCU-210-110	Follow-Up By	
Detour Length (km)	11		

Bridge Culvert Information

Number of Culverts	1							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN	-	2000	MP	42	125X26	2.8	ROUND
Special Features								
Special Features Comment	BF tag is wired to inlet bevel.							

Utilities (Located at)

Utility Attachments			
Telephone	West r/w	Gas	
Power	2 lines 14m East	Municipal	
Others		Problem (Y/N)	No
Remarks			

Approach Road / Embankment

		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Access roads North & South.
Vertical Alignment		7	7	Crest to South.
Roadway Width (m)	9.500			
Embankment		N	7	
Sideslope (__:1)	2.5			
(Height of Cover (m) : 1.6)				
Guardrail (Y/N)	No			
Approach Road / Embankment General Rating		7	7	

Upstream End

Culvert Component		Last	Now	Explanation of Condition
Direction		E		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		X	X	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		X	X	

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Bevel End		N	6	
Heaving (mm)	100			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		N	6	Some sandstone.l
(Type : RIP RAP)				
(Avg. Rock Size (mm) : 300)				
Scour/Erosion		N	6	
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): 2000, Type: MP)				
Barrel Last Accessible Date	08-Mar-2010			
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		7	7	(Rise near c/l 1965 (1.8% defl). 25/Aug/2003)
Measured Rise (mm)	1965			No measurements due to ice level. Shape and condition appear good.
Measured At Ring No.				
Sag (mm)	35			
Percent Sag	2			
Sidewall		7	7	(Span @ East end 1974, 1.3%. Span @ mid pipe 2005, 0.3%. Span @ West end 1983, 0.9%. Nov 30/06)
Measured Span (mm)	2010			Water level in D/S half is above springline. Span not measured.
Measured At Ring No.	3			
Deflection (mm)	10			
Percent Deflection	0			
Floor		N	N	Ice covered.
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
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)				
Coating		6	6	(Minor superficial bottom 1/4. 25/Aug/2003)
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): -, Rise (mm): 2000, Type: MP)				
Fish Passage Adequacy		7	7	
Baffle		N	N	(Concrete. 25/Aug/2003) Snow/ice covered.
(Type :)				
Waterway Adequacy		7	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		W		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		X	X	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		X	X	
Bevel End		N	N	Snow/ice covered.
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	400			
Scour Protection		N	N	Snow covered.
(Type :)				
(Avg. Rock Size (mm) :)				
Scour/Erosion		N	N	
Beavers (Y/N)	No			
Downstream End General Rating		7	N	Previous G.R. = 7 from 25/Aug/2003.
Structure Usage				
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		8	8	
Bank Stability		N	8	
HWM (m below Top of Culvert)				HWM Not Visible.
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading				
Beavers (Y/N)	No			
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		8	8	

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) (%)	78.0/75.1	Est. Repl. Yr	2043	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	08-Jun-2013		Previous Inspection Date	30-Nov-2006			
Inspection Cycle (Default) (months)	39						
Comment							