

Bridge Culvert Inspection			
Bridge File Number	72842 -1 Bridge Culvert	Form Type	CULE
Year Built/Lined	1950/1995	Lot No.	4
Bridge or Town Name		Inspector Name	Jon Davies
Located Over	2ND ORDER TRIBUTARY TO CROWFOOT CREEK, 2.13.14.9.2, WATERCRS-ST	Inspector Class	BR CLS B
Located On	1:14 R1 5.916;1:14 L1 5.916	Assistant Name	
Water Body Cl./Year		Assistant Class	
Navigabil. Cl./Year		Inspection Date	16-Feb-2012
Legal Land Location	NE SEC 8 TWP 24 RGE 23 W4M	Data Entry By	Anne Roberts
Longitude, Latitude	-113:10:36, 51:02:15	Data Entry Date	24-Mar-2012
Road Authority	Alberta Transportation (AIT)	Reviewer Name	Garry Roberts
Contract Main. Area	CMA30	Review Date	27-Feb-2012
Clear Roadway/Skew	26 /	Dept. Reviewer Name	Tim Davies
AADT/Year	7,570 / 2011 (A)	Dept. Review Date	29-Mar-2012
Road Classification	RAD-412.4-120	Follow-Up By	
Detour Length (km)			

Bridge Culvert Information

Number of Culverts	2							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN Partially Lined	1829	1118	FP	84.9	68X13	4.0	ARCH
2	MAIN PARTIAL LINER	-	900	MP	58.6			ROUND
Special Features								
Special Features Comment								

Utilities (Located at)

Utility Attachments			
Telephone		Gas	North ROW and crossing West
Power	South ROW	Municipal	
Others	Fibre optic cable North ROW	Problem (Y/N)	No
Remarks	Water gauge at South ROW		

Approach Road / Embankment

	Last	Now	Explanation of Condition
Horizontal Alignment		7	Intersection West
Vertical Alignment		7	
Roadway Width (m)	25.000		
Embankment		7	
Sideslope (__:1)	4.0		
(Height of Cover(m) : 1.5)			
Guardrail (Y/N)	No		
Approach Road / Embankment General Rating		7	

Upstream End

Culvert Component	Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary Span)			
Direction			South
End Treatment (Concrete, Steel, Others, None)	CONCRETE		
Headwall		X	
Collar		7	

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary Span)				
Wingwalls			X	
(Shape :)				
Cutoff Wall			X	
Bevel End			7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	100			
Scour Protection			7	
(Type :)				
(Avg. Rock Size(mm) :)				
Scour/Erosion			7	
Beavers (Y/N)	No			
Upstream End General Rating			7	

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 1829, Rise (mm): 1118, Type: FP)				
Barrel Last Accessible Date				
Special Features				
Special Feature				Not accessible due to size
(Type :)				
Special Feature				
(Type :)				
Roof			N	Viewed from ends. General shape is good.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall			N	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor			N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams			N	
Separation (mm)				
Longitudinal Seams			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): 1829, Rise (mm): 1118, Type: FP)				
Coating			X	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy			5	
Baffle			X	
(Type :)				
Waterway Adequacy			7	
Icing (Y/N)	No			
Siltting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating			N	

Downstream End				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary Span)				
Direction				
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall			X	
Collar			7	
Wingwalls			X	
(Shape :)				
Cutoff Wall			X	
Bevel End			7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	300			
Scour Protection			5	Rip rap incomplete at invert. Rip rap 200
(Type :)				
(Avg. Rock Size(mm) :)				
Scour/Erosion			5	
Beavers (Y/N)	No			
Downstream End General Rating			5	

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Secondary Span)				
Direction				South
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall			X	
Collar			7	

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Secondary Span)				
Wingwalls			X	
(Shape :)				
Cutoff Wall			X	
Bevel End			7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	100			
Scour Protection			7	
(Type :)				
(Avg. Rock Size(mm) :)				
Scour/Erosion			7	
Beavers (Y/N)	No			
Upstream End General Rating			7	

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Secondary Span, Location Code: MAIN, Span (mm): , Rise (mm): 900, Type: MP)				
Barrel Last Accessible Date				
Special Features				
Special Feature				Not accessible dut to size
(Type :)				
Special Feature				
(Type :)				
Roof			N	Viewed from ends. General shape is good.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)				
Percent Sag				
Sidewall			N	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)				
Percent Deflection				
Floor			N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams			N	
Separation (mm)				
Longitudinal Seams			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 # : 2, Secondary Span, Location Code: MAIN, Span (mm): , Rise (mm): 900, Type: MP)				
Coating			X	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy			5	
Baffle			X	
(Type :)				
Waterway Adequacy			7	
Icing (Y/N)	No			
Siltting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating			N	
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Secondary Span)				
Direction				
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall			X	
Collar			7	
Wingwalls			X	
(Shape :)				
Cutoff Wall			X	
Bevel End			7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	300			
Scour Protection			5	
(Type :)				
(Avg. Rock Size(mm) :)				
Scour/Erosion			5	
Beavers (Y/N)	No			
Downstream End General Rating			5	
Structure Usage				
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment			5	45 degree bend at U/S
Bank Stability			7	
HWM (m below Top of Culvert)				No HWM visible
Drift (Y/N)	No			

Structure Usage				
		Last	Now	Explanation of Condition
Channel Bottom Degrading/Aggrading	DEGRADING			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating			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) (%)	/55.6	Sufficiency Rating (Last/Now) (%)	/59.5	Est. Repl. Yr	2022	Maint. Req. (Y/N)	No
Special Comments for Next Inspection	Turn off inspection flag - not bridge size.		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			Previous Assistant's Name				
Next Inspection Date	16-Nov-2013		Previous Inspection Date				
Inspection Cycle (Default) (months)	21						
Comment							