

Bridge Culvert Inspection				
Bridge File Number	80954 -1 Bridge Culvert		Form Type	CULM
Year Built	1986		Lot No.	4
Bridge or Town Name	SEVEN PERSON		Inspector Name	Jon Davies
Located Over	SMR - IRRIGATION C, WATERCRS-IC		Inspector Class	BR CLS B
Located On	523:02 C1 14.231		Assistant Name	
Water Body Cl./Year			Assistant Class	
Navigabil. Cl./Year			Inspection Date	22-Mar-2012
Legal Land Location	SE SEC 16 TWP 12 RGE 7 W4M		Data Entry By	Kelsey Roberts
Longitude, Latitude	-110:53:39, 49:59:23		Data Entry Date	07-Apr-2012
Road Authority	Alberta Transportation (AIT)		Reviewer Name	Garry Roberts
Contract Main. Area	CMA23		Review Date	24-Mar-2012
Clear Roadway/Skew	9.5 /		Dept. Reviewer Name	Tim Davies
AADT/Year	150 / 2011 (A)		Dept. Review Date	17-Apr-2012
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	PI./Slab Thickness	Shape
1	MAIN	9000	3000	BP	40.9			RECTANGLE
Special Features								
Special Features Comment								

Utilities (Located at)				
Utility Attachments				
Telephone	south ditch		Gas	20m south
Power	North Row		Municipal	
Others	150mm diameter irrigation at U/S headwall		Problem (Y/N)	No
Remarks				

Approach Road / Embankment				
		Last	Now	Explanation of Condition
Horizontal Alignment		7	7	Intersection at East
Vertical Alignment		7	7	
Roadway Width (m)	11.600			
Embankment		N	6	
Sideslope (_ :1)	3.0			
(Height of Cover(m) : 3.9)				
Guardrail (Y/N)	No			
Approach Road / Embankment General Rating		7	7	

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction				West pipe-north end
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		7	7	Handrail around culvert ends
Collar		8	X	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		N	N	Ice covered

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Bevel End		N	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		N	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		N	7	
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): 3000, Rise (mm): 3000, Type: BP, Cell Sequence: 1)				
Barrel Last Accessible Date	22-Mar-2012			West pipe
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		8	8	
Measured Rise (mm)	3000			
Measured At Ring No.	1			
Sag (mm)	0			
Percent Sag	0			
Sidewall		7	7	
Measured Span (mm)	3000			
Measured At Ring No.	1			
Deflection (mm)	0			
Percent Deflection	0			
Floor		N	N	Ice covered
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		X	X	
Separation (mm)	0			
Longitudinal Seams		X	X	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	0			
Min. Remaining Steel Between Cracks (mm)	0			
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		X	6	Paint at concrete end treatment
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 3000, Rise (mm): 3000, Type: BP, Cell Sequence: 1)				
Fish Passage Adequacy		X	7	
Baffle		X	X	
(Type :)				
Waterway Adequacy		8	8	
Icing (Y/N)		No		
Siltting (Y/N)		No		
Drift (Y/N)		No		
Barrel General Rating		7	7	

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 3000, Rise (mm): 3000, Type: BP, Cell Sequence: 2)				
Barrel Last Accessible Date		22-Mar-2012		Middle Pipe
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		8	8	
Measured Rise (mm)		3000		
Measured At Ring No.		1		
Sag (mm)		0		
Percent Sag		0		
Sidewall		7	7	
Measured Span (mm)		3000		
Measured At Ring No.		1		
Deflection (mm)		0		
Percent Deflection		0		
Floor		N	N	ice & Snow covered
Bulge (mm)		0		
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		X	X	
Separation (mm)		0		
Longitudinal Seams		X	X	
Total No. of Cracked Rings		0		
Total No. of Rings with Two Cracked Seams		0		
Min. Remaining Steel Between Cracks (mm)		0		
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		X	6	Paint at concrete end treatment
Corrosion By Soil (Y/N)		No		
Corrosion By Water (Y/N)		No		
Camber POS/ZERO/NEG		ZERO		
Ponding (Y/N)		No		

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 3000, Rise (mm): 3000, Type: BP, Cell Sequence: 2)				
Fish Passage Adequacy		X	7	
Baffle		X	X	
(Type :)				
Waterway Adequacy		8	8	
Icing (Y/N)		No		
Siltting (Y/N)		No		
Drift (Y/N)		No		
Barrel General Rating		7	7	

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 3000, Rise (mm): 3000, Type: BP, Cell Sequence: 3)				
Barrel Last Accessible Date		22-Mar-2012		East pipe
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		8	8	
Measured Rise (mm)		3000		
Measured At Ring No.		1		
Sag (mm)		0		
Percent Sag		0		
Sidewall		7	7	
Measured Span (mm)		3000		
Measured At Ring No.		1		
Deflection (mm)		0		
Percent Deflection		0		
Floor		N	N	ice covered
Bulge (mm)		0		
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		X	X	
Separation (mm)		0		
Longitudinal Seams		X	X	
Total No. of Cracked Rings		0		
Total No. of Rings with Two Cracked Seams		0		
Min. Remaining Steel Between Cracks (mm)		0		
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		X	6	Paint at concrete end treatment
Corrosion By Soil (Y/N)		No		
Corrosion By Water (Y/N)		No		
Camber POS/ZERO/NEG		ZERO		
Ponding (Y/N)		No		

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 3000, Rise (mm): 3000, Type: BP, Cell Sequence: 3)				
Fish Passage Adequacy		X	7	
Baffle		X	X	
(Type :)				
Waterway Adequacy		8	8	
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				West pipe-S end
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		7	7	
Collar		8	X	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		N	N	Ice covered
Bevel End		N	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		N	6	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		N	6	
Beavers (Y/N)	No			
Downstream End General Rating		7	6	
Structure Usage				
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		9	9	
Bank Stability		N	7	
HWM (m below Top of Culvert)	1.7			No HWM visible
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	AGGRADING			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		9	9	

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) (%)	82.1/81.2	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	Tim Davies		Previous Assistant's Name				
Next Inspection Date	22-Jun-2015		Previous Inspection Date	13-Mar-2009			
Inspection Cycle (Default) (months)	39						
Comment							