

Bridge Culvert Inspection								
Bridge File Number	79706 -1 Bridge Culvert				Form Type	CUL1		
Year Built	1982				Lot No.	4		
Bridge or Town Name	SEEBE				Inspector Name	Garry Roberts		
Located Over	STONY CK, 2.13.56.1.1, WATERCRS-ST				Inspector Class	BR CLS A		
Located On	68:04 C1 2.089				Assistant Name			
Water Body Cl./Year					Assistant Class			
Navigabil. Cl./Year					Inspection Date	28-Aug-2012		
Legal Land Location	NE SEC 11 TWP 24 RGE 8 W5M				Data Entry By	Lauren Korte		
Longitude, Latitude	-115:00:21, 51:01:59				Data Entry Date	28-Sep-2012		
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Tom Carey		
Contract Main. Area	CMA28				Review Date	31-Aug-2012		
Clear Roadway/Skew	12.3 / 67 deg. (RHF)				Dept. Reviewer Name	Tim Davies		
AADT/Year	310 / 2011 (A)				Dept. Review Date	02-Oct-2012		
Road Classification	RAU-211.8-110				Follow-Up By			
Detour Length (km)	16							
Bridge Culvert Information								
Number of Culverts	1							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	PI./Slab Thickness	Shape
1	MAIN	2317	2561	SPE	83.5	152X51	4.0	ELLIPSE
Special Features								
Special Features Comment								
Utilities (Located at)								
Utility Attachments								
Telephone					Gas			
Power					Municipal			
Others					Problem (Y/N)	No		
Remarks	None visible.							
Approach Road / Embankment								
			Last	Now	Explanation of Condition			
Horizontal Alignment			5	5	South curves East & West, on curve.			
Vertical Alignment			6	5	On grade.			
Roadway Width (m)	12.300							
Embankment			5	5				
Sideslope (_ :1)	2.0							
(Height of Cover(m) : 1.5)								
Guardrail (Y/N)	Yes							
Approach Road / Embankment General Rating			5	5				
Upstream End								
Culvert Component			Last	Now	Explanation of Condition			
Direction			S		South.			
End Treatment (Concrete, Steel, Others, None)	CONCRETE							
Headwall			N	7				
Collar			7	7				
Wingwalls			X	X				
(Shape :)								
Cutoff Wall			N	N	Buried.			

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 400)				
Scour/Erosion		7	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): 2317, Rise (mm): 2561, Type: SPE)				
Barrel Last Accessible Date	28-Aug-2012			
Special Features				
Special Feature				Ditch drain at u/s roof.
(Type :)				
Special Feature				
(Type :)				
Roof		7	7	Minor dents in roof & sidewall from construction equipment - no problem. 100 mm ROOF DENT @ ring #8 - repaired.
Measured Rise (mm)	2565			
Measured At Ring No.	13			
Sag (mm)	4			
Percent Sag	0			
Sidewall		7	7	Inward.
Measured Span (mm)	2307			
Measured At Ring No.	13			
Deflection (mm)	10			
Percent Deflection	0			
Floor		7	7	Minor abrasion.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	Yes			
Circumferential Seams		7	7	
Separation (mm)	0			
Longitudinal Seams		7	7	
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)	No			
Longitudinal Stagger (Y/N)	No			
Coating		6	6	Superficial on floor.
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
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): 2317, Rise (mm): 2561, Type: SPE)				
Fish Passage Adequacy		5	5	
Baffle		X	X	
(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		N		North.
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		7	7	
Collar		7	7	Rock set in concrete.
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		N	N	Buried.
Bevel End		7	7	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		7	7	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 400)				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
Downstream End General Rating		7	7	
Structure Usage				
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment		5	5	Sharp bends u/s & d/s.
Bank Stability		6	6	
HWM (m below Top of Culvert)	1.0			No visible HWM.
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	DEGRADING			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating		5	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) (%)	77.8/77.8	Sufficiency Rating (Last/Now) (%)	75.5/75.4	Est. Repl. Yr	2033	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	Garry Roberts		Previous Assistant's Name				
Next Inspection Date	28-May-2014		Previous Inspection Date	05-Jan-2011			
Inspection Cycle (Default) (months)	21						
Comment							