

Bridge Culvert Inspection								
Bridge File Number	86246 -2 Bridge Culvert				Form Type	CUL1		
Year Built	2010				Lot No.	4		
Bridge or Town Name	WATERCOURSE CULVERT ON HWY 58 NEAR HIGH LEVEL				Inspector Name	Brian Pientsch		
					Inspector Class	BR CLS A		
Located Over	WATERCOURSE, WATERCRS-NI				Assistant Name	Clem Guenette		
Located On	58:06 C1 69.220				Assistant Class			
Water Body Cl./Year					Inspection Date	12-Jan-2012		
Navigabil. Cl./Year					Data Entry By	Theresa Lacusta		
Legal Land Location	NW SEC 31 TWP 109 RGE 19 W5M				Data Entry Date	04-Mar-2012		
Longitude, Latitude	-117:10:17, 58:30:46				Reviewer Name	Eric Carcoux		
Road Authority	Alberta Transportation (AIT)				Review Date	26-Feb-2012		
Contract Main. Area	CMA01				Dept. Reviewer Name	David Morrison		
Clear Roadway/Skew	8.3 /				Dept. Review Date	30-Mar-2012		
AADT/Year	730 / 2011 (A)				Follow-Up By			
Road Classification								
Detour Length (km)	999							
Bridge Culvert Information								
Number of Culverts	1							
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN	-	1828	SSP	32		12.7	ROUND
Special Features								
Special Features Comment								
Utilities (Located at)								
Utility Attachments								
Telephone	In South r/w.				Gas			
Power	4 wire o/h 50m South, 1 wire o/h-15m North side.				Municipal			
Others					Problem (Y/N)	Yes		
Remarks	Remporary phone cable laying above ground on d/s side.							
Approach Road / Embankment								
		Last	Now	Explanation of Condition				
Horizontal Alignment			9					
Vertical Alignment			9					
Roadway Width (m)	11.000							
Embankment			8					
Sideslope ( __:1)	6.0							
(Height of Cover(m) : 0.8)								
Guardrail (Y/N)	No							
Approach Road / Embankment General Rating			9					
Upstream End								
Culvert Component		Last	Now	Explanation of Condition				
Direction		N						
End Treatment (Concrete, Steel, Others, None)	STEEL							
Headwall			X					
Collar			X					
Wingwalls			X					
(Shape : )								
Cutoff Wall			X					

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Bevel End			N	Snow/ice covered.
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	800			
Scour Protection			N	Snow covered.
(Type : )				
(Avg. Rock Size(mm) : )				
Scour/Erosion			N	
Beavers (Y/N)	No			
<b>Upstream End General Rating</b>			<b>N</b>	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1828, Type: SSP)				
Barrel Last Accessible Date				No access due to 500mm ice to crown. Viewed from ends looks good.
<b>Special Features</b>				
Special Feature				
(Type : )				
Special Feature				
(Type : )				
Roof			9	
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)				
Coating			N	
Corrosion By Soil (Y/N)				
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	Yes			

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1828, Type: SSP)				
Fish Passage Adequacy			7	
Baffle			N	
(Type : )				
Waterway Adequacy			7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating			N	
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		S		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall			X	
Collar			X	
Wingwalls			X	
(Shape : )				
Cutoff Wall			X	
Bevel End			N	Snow and ice covered.
Heaving (mm)				
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	800			
Scour Protection			N	Snow covered
(Type : )				
(Avg. Rock Size(mm) : )				
Scour/Erosion			N	SNOW covered
Beavers (Y/N)	No			
Downstream End General Rating			N	
Structure Usage				
		Last	Now	Explanation of Condition
Channel (U/S and D/S)				
Alignment			7	
Bank Stability			9	
HWM (m below Top of Culvert)				No HWM visible
Drift (Y/N)	No			
Channel Bottom Degrading/Aggrading	NONE			
Beavers (Y/N)	No			
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
Channel General Rating			7	

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									
<b>Structural Condition Rating (Last/Now) (%)</b>		<b>/55.6</b>	<b>Sufficiency Rating (Last/Now) (%)</b>		<b>/59.8</b>	<b>Est. Repl. Yr</b>	<b>2060</b>	<b>Maint. Reqd. (Y/N)</b>	<b>No</b>
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				Previous Assistant's Name					
Next Inspection Date	12-Oct-2013			Previous Inspection Date					
Inspection Cycle (Default) (months)	21								
Comment									