

Bridge Culvert Inspection			
Bridge File Number	71388 -2 Bridge Culvert	Form Type	CUL1
Year Built	1995	Lot No.	4
Bridge or Town Name	BLUFFTON	Inspector Name	Owen Salava
Located Over	2ND ORDER TRIBUTARY TO BLINDMAN RIVER, 3.78.18.1, WATERCRS-ST	Inspector Class	BR CLS A
Located On	607:02 C1 16.339	Assistant Name	
Water Body Cl./Year		Assistant Class	
Navigabil. Cl./Year		Inspection Date	25-Oct-2012
Legal Land Location	SW SEC 30 TWP 43 RGE 2 W5M	Data Entry By	Marcia Chavez
Longitude, Latitude	-114:17:30, 52:43:37	Data Entry Date	05-Nov-2012
Road Authority	Alberta Transportation (AIT)	Reviewer Name	John O'Brien
Contract Main. Area	CMA18	Review Date	30-Oct-2012
Clear Roadway/Skew	11.4 / 45 deg. (RHF)	Dept. Reviewer Name	Andrew Smikles
AADT/Year	190 / 2011 (A)	Dept. Review Date	13-Nov-2012
Road Classification		Follow-Up By	
Detour Length (km)			

Bridge Culvert Information								
Number of Culverts		1						
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape
1	MAIN	-	1800	SP	53.64	152X51	3.0	ROUND
Special Features								
Special Features Comment								

Utilities (Located at)			
Utility Attachments			
Telephone		Gas	
Power	3 wire o/h, N r/w.	Municipal	
Others		Problem (Y/N)	No
Remarks			

Approach Road / Embankment				
		Last	Now	Explanation of Condition
Horizontal Alignment			7	Located at intersection with Range 3-0.
Vertical Alignment			9	
Roadway Width (m)	11.400			
Embankment			7	Ditch erosion to SE away from outlet.
Sideslope ( __:1)	4.0			
(Height of Cover(m) : 2.2)				
Guardrail (Y/N)	No			
<b>Approach Road / Embankment General Rating</b>			<b>7</b>	

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		N		NW
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			7	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	300			
Scour Protection			N	Snow covered, well vegetated.
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : <b>300</b> )				
Scour/Erosion			N	
Beavers (Y/N)	No			
<b>Upstream End General Rating</b>			<b>7</b>	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : <b>1</b> , Primary Span, Location Code: <b>MAIN</b> , Span (mm): , Rise (mm): <b>1800</b> , Type: <b>SP</b> )				
Barrel Last Accessible Date	25-Oct-2012			
<b>Special Features</b>				
Special Feature				
(Type : )				
Special Feature				
(Type : )				
Roof			7	
Measured Rise (mm)	1800			
Measured At Ring No.	7			
Sag (mm)	0			
Percent Sag	0			
Sidewall			7	
Measured Span (mm)	1860			
Measured At Ring No.	7			
Deflection (mm)	60			3.3%
Percent Deflection	3			
Floor			7	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams			7	
Separation (mm)	0			
Longitudinal Seams			7	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)	Yes			
Longitudinal Stagger (Y/N)	Yes			
Coating			7	
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): , Rise (mm): 1800, Type: SP)				
Fish Passage Adequacy			7	
Baffle			X	
(Type : )				
Waterway Adequacy			7	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	Yes			Drift caught on u/s fence.
<b>Barrel General Rating</b>			<b>7</b>	
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		S		SE
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall			X	
Collar			X	
Wingwalls			X	
(Shape : )				
Cutoff Wall			X	
Bevel End			7	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	300			
Scour Protection			N	Snow covered, well vegetated.
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion			N	
Beavers (Y/N)	No			
<b>Downstream End General Rating</b>			<b>7</b>	
Structure Usage				
		Last	Now	Explanation of Condition
<b>Channel (U/S and D/S)</b>				
Alignment			7	
Bank Stability			7	
HWM (m below Top of Culvert)				HWM not visible.
Drift (Y/N)	Yes			Drift caught u/s.
Channel Bottom Degrading/Aggrading				Unknown
Beavers (Y/N)	No			
(Fish Compensation Measure 1 : NONE)				
(Fish Compensation Measure 2 : NONE)				
<b>Channel General Rating</b>			<b>7</b>	

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>/77.8</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>/76.5</b>	Est. Repl. Yr	2055	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			Previous Assistant's Name				
Next Inspection Date	25-Jan-2016		Previous Inspection Date				
Inspection Cycle (Default) (months)	39						
Comment							