

Bridge Culvert Inspection									
Bridge File Number	80487 -1 Bridge Culvert				Form Type	CUL1			
Year Built	1985				Lot No.	4			
Bridge or Town Name	BEAVER MINES				Inspector Name	Calvin Roberts			
Located Over	TRAIL-ANIMAL, OVER SP				Inspector Class	BR CLS B			
Located On	507:02 C1 6.877				Assistant Name				
Water Body Cl./Year					Assistant Class				
Navigabil. Cl./Year					Inspection Date	10-Nov-2012			
Legal Land Location	SE SEC 4 TWP 7 RGE 2 W5M				Data Entry By	Lauren Korte			
Longitude, Latitude	-114:12:27, 49:31:37				Data Entry Date	13-Dec-2012			
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Garry Roberts			
Contract Main. Area	CMA26				Review Date	14-Nov-2012			
Clear Roadway/Skew	10 /				Dept. Reviewer Name	Tim Davies			
AADT/Year	600 / 2011 (A)				Dept. Review Date	27-Dec-2012			
Road Classification	RCU-209-110				Follow-Up By				
Detour Length (km)	18								
Bridge Culvert Information									
Number of Culverts	1								
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN	-	2200	MP	26			ROUND	
Special Features									
Special Features Comment									
Posting Information									
Required Vert. Clearance Posting (m)									
Posted Vertical Clearance (Y/N)									
Posted:	Lane	NB	On Bridge (m)	In Advance (Y/N)	Lane	SB	On Bridge (m)	In Advance (Y/N)	
Remarks	Not required.								
Utilities (Located at)									
Utility Attachments									
Telephone	West ditch.				Gas	Crossing hwy 40m South.			
Power					Municipal				
Others					Problem (Y/N)	No			
Remarks									
Approach Road / Embankment									
			Last	Now	Explanation of Condition				
Horizontal Alignment			8	8	Road rises to the South. Located 1km South of coordinates.				
Vertical Alignment			6	6					
Roadway Width (m)	10.000								
Embankment			7	7					
Sideslope (__:1)	4.0								
(Height of Cover(m) : 1.2)									
Guardrail (Y/N)	Yes								
<b>Approach Road / Embankment General Rating</b>			<b>6</b>	<b>6</b>					
Upstream End									
<b>Culvert Component</b>			Last	Now	Explanation of Condition				
Direction			W		West.				
End Treatment (Concrete, Steel, Others, None)	STEEL								
Headwall			X	X					

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Collar		X	X	
Wingwalls		X	X	
(Shape : )				
Cutoff Wall		X	X	
Bevel End		7	7	
Heaving (mm)	100			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	700			
Scour Protection		7	7	
(Type : <b>NATURAL</b> )				
(Avg. Rock Size(mm) : )				
Scour/Erosion		7	7	
Beavers (Y/N)	No			
<b>Upstream End General Rating</b>		<b>7</b>	<b>7</b>	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 2200, Type: MP)				
Barrel Last Accessible Date	10-Nov-2012			
<b>Special Features</b>				
Special Feature				
(Type : )				
Special Feature				
(Type : )				
Roof		8	8	
Measured Rise (mm)	2000			
Measured At Ring No.	1			
Sag (mm)	0			
Percent Sag	0			
Sidewall		8	8	Small indentations.
Measured Span (mm)	2200			
Measured At Ring No.	1			
Deflection (mm)	0			
Percent Deflection	0			
Floor		N	N	200 mm of dirt on floor.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		6	5	3 Sections did not match size, grout was used halfway up to seal opening.
Separation (mm)	50			
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)				

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 2200, Type: MP)				
Coating		6	6	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		X	X	
Baffle		X	X	
(Type : )				
Waterway Adequacy		7	7	Also handles drainage.
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
<b>Barrel General Rating</b>		<b>8</b>	<b>8</b>	

Downstream End					
Culvert Component		Last	Now	Explanation of Condition	
Direction		E		East.	
End Treatment (Concrete, Steel, Others, None)	STEEL				
Headwall		X	X		
Collar		X	X		
Wingwalls		X	X		
(Shape : )					
Cutoff Wall		X	X		
Bevel End		6	6	Bent NW side.	
Heaving (mm)					
Invert Above/Below Stream Bed	ABOVE				
Above/Below (mm)	1500				
Scour Protection		7	7		
(Type : <b>NATURAL</b> )					
(Avg. Rock Size(mm) : )					
Scour/Erosion		7	7		
Beavers (Y/N)	No				
<b>Downstream End General Rating</b>		<b>6</b>	<b>6</b>		

Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		X	X	Cattlepass.
Roadway Surface		7	7	
Built up with soil on both ends.				
(Type : )				
Icing (Y/N)	No			

Structure Usage				
		Last	Now	Explanation of Condition
Traffic Safety Features		X	X	
Type				
Lighting		X	X	
Barrel Leakage (Y/N)	No			
Drainage		5	5	
Structure In Use (Y/N)	Yes			
<b>Grade Separation General Rating</b>		<b>7</b>	<b>5</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>88.9/88.9</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>79.5/78.1</b>	Est. Repl. Yr	2030	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	10-Feb-2016		Previous Inspection Date	10-Sep-2009			
Inspection Cycle (Default) (months)	39						
Comment							