

Bridge Culvert Inspection												
Bridge File Number	74310 -1 Bridge Culvert				Form Type	CULE						
Year Built	1954				Lot No.	4						
Bridge or Town Name	DIDSBURY				Inspector Name	Owen Salava						
Located Over	TRAIL-ANIMAL, OVER SP				Inspector Class	BR CLS A						
Located On	2:20 L1 17.906;2:20 R1 17.907				Assistant Name							
Water Body Cl./Year					Assistant Class							
Navigabil. Cl./Year					Inspection Date	11-Mar-2013						
Legal Land Location	SW SEC 12 TWP 31 RGE 1 W5M				Data Entry By	Marcia Chavez						
Longitude, Latitude	-114:01:31, 51:38:08				Data Entry Date	26-Mar-2013						
Road Authority	Alberta Transportation (AIT)				Reviewer Name	John O'Brien						
Contract Main. Area	CMA29				Review Date	16-Mar-2013						
Clear Roadway/Skew	26 /				Dept. Reviewer Name	Chris Black						
AADT/Year	27,560 / 2011 (A)				Dept. Review Date	28-Mar-2013						
Road Classification	RFD-412.4-130				Follow-Up By							
Detour Length (km)	1											
Bridge Culvert Information												
Number of Culverts	1											
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape				
1	MAIN	3960	1980	BP	44			RECTANGLE				
1	D/S	3960	1980	BP	12			RECTANGLE				
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					Gas							
Power					Municipal							
Others	Fibre Optics @ W r/w				Problem (Y/N)	No						
Remarks												
Approach Road / Embankment												
			Last	Now	Explanation of Condition							
Horizontal Alignment			8	8								
Vertical Alignment			7	7								
Roadway Width (m)	26.000											
Embankment			7	7								
Sideslope (_ :1)	3.0											
(Height of Cover(m) : 1.8)												
Guardrail (Y/N)	Yes											
Approach Road / Embankment General Rating			7	7								
Upstream End												
Culvert Component			Last	Now	Explanation of Condition							
Direction			W		South box. Box extended 12m west.							
End Treatment (Concrete, Steel, Others, None)	CONCRETE											
Headwall			8	8								

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Collar		X	X	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		N	N	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed				
Above/Below (mm)	0			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 350)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Upstream End General Rating		8	8	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 1980, Rise (mm): 1980, Type: BP, Cell Sequence: 1)				
Barrel Last Accessible Date	11-Mar-2013			South box. This cell used as a cattlepass.
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		6	6	Cracks across roof at both ends near extension area up to 3mm wide.
Measured Rise (mm)	1820			
Measured At Ring No.				
Sag (mm)	0			
Percent Sag				
Sidewall		5	5	Typical vertical cracks periodically along wall up to 3mm wide.
Measured Span (mm)	1980			
Measured At Ring No.				
Deflection (mm)	0			
Percent Deflection				
Floor		6	N	(This cell only has additional floor cast for cattle. 10Aug2011) - Ice.
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		5	5	Joints sealed with expandable foam.
Separation (mm)	35			
Longitudinal Seams		X	X	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
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): 1980, Rise (mm): 1980, Type: BP, Cell Sequence: 1)				
Coating		X	X	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		6	6	
Baffle		X	X	
(Type :)				
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		5	5	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 1980, Rise (mm): 1980, Type: BP, Cell Sequence: 2)				
Barrel Last Accessible Date	11-Mar-2013			North box.
Special Features				
Special Feature				Storm drain.
(Type :)				
Special Feature				Partially blocked at grade with grass mat.
(Type :)				
Roof		7	7	This cell only carries flow.
Measured Rise (mm)	1980			
Measured At Ring No.				
Sag (mm)	0			
Percent Sag				
Sidewall		5	5	VERTICAL CRACKS UP TO 6 mm WIDE
Measured Span (mm)	1980			
Measured At Ring No.				
Deflection (mm)	0			
Percent Deflection				
Floor		5	N	Ice covered.
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		5	5	NW Joint foam Sealed.
Separation (mm)	40			
Longitudinal Seams		X	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)				

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): 1980, Rise (mm): 1980, Type: BP, Cell Sequence: 2)				
Coating		X	X	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		6	6	
Baffle		X	X	
(Type :)				
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		5	5	

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: D/S, Span (mm): 3960, Rise (mm): 1980, Type: BP)				
Barrel Last Accessible Date	11-Mar-2013			South box. This cell used as a cattlepass.
Special Features				
Special Feature				
(Type :)				
Special Feature				
(Type :)				
Roof		7	7	
Measured Rise (mm)	1820			
Measured At Ring No.				
Sag (mm)	0			
Percent Sag				
Sidewall		5	5	Typical vertical cracks periodically along wall up to 3mm wide.
Measured Span (mm)	1980			
Measured At Ring No.				
Deflection (mm)	0			
Percent Deflection				
Floor		6	N	(This cell has additional floor cast for cattle. 10Aug2011) - Ice.
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		5	5	Joints sealed with expandable foam.
Separation (mm)	35			
Longitudinal Seams		X	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)				

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: D/S, Span (mm): 3960, Rise (mm): 1980, Type: BP)				
Coating		X	X	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	No			
Camber POS/ZERO/NEG	ZERO			
Ponding (Y/N)	No			
Fish Passage Adequacy		6	6	
Baffle		X	X	
(Type :)				
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Siltting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Rating		5	5	
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		E		12m extension.
End Treatment (Concrete, Steel, Others, None)	CONCRETE			
Headwall		8	8	
Collar		X	X	
Wingwalls		X	X	
(Shape :)				
Cutoff Wall		N	N	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	75			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Downstream End General Rating		8	8	
Structure Usage				
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		8	8	
Roadway Surface		5	5	
(Type : CONCRETE)				
Icing (Y/N)	No			
Traffic Safety Features		X	X	
Type	None			

Structure Usage				
		Last	Now	Explanation of Condition
Lighting		X	X	
Barrel Leakage (Y/N)	Yes			
Drainage		5	5	Both cells carry flow; S cell fenced in.
Structure In Use (Y/N)	Yes			
Grade Separation 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) (%)	55.6/55.6	Sufficiency Rating (Last/Now) (%)	68.3/68.2	Est. Repl. Yr	2036	Maint. Req. (Y/N)	No
Special Comments for Next Inspection			Department Comments				
Maintenance Reviewed By			Date		Estimated Total	0	
Proposed Long-Term Strategy	2006.10.24 Monitor site for usage.						
On 3-Year Program (Y/N)							
Proposed Action							
Previous Inspector's Name	Owen Salava		Previous Assistant's Name				
Next Inspection Date	11-Dec-2014		Previous Inspection Date	10-Aug-2011			
Inspection Cycle (Default) (months)	21						
Comment							