

Bridge Culvert Inspection										
Bridge File Number	76115 -1 Bridge Culvert				Form Type	CULE				
Year Built	1964				Lot No.	4				
Bridge or Town Name	BRIGHTBANK				Inspector Name	Wade Nanninga				
Located Over	TRAIL-ANIMAL, OVER SP				Inspector Class	BR CLS A				
Located On	770:06 C1 1.598				Assistant Name					
Water Body Cl./Year					Assistant Class					
Navigabil. Cl./Year					Inspection Date	18-Oct-2012				
Legal Land Location	NE SEC 5 TWP 51 RGE 2 W5M				Data Entry By	Theresa Lacusta				
Longitude, Latitude	-114:15:28, 53:22:45				Data Entry Date	23-Oct-2012				
Road Authority	Alberta Transportation (AIT)				Reviewer Name	Eric Carcoux				
Contract Main. Area	CMA11				Review Date	22-Oct-2012				
Clear Roadway/Skew	13.2 /				Dept. Reviewer Name	Brent Herrick				
AADT/Year	1,550 / 2011 (A)				Dept. Review Date	13-Nov-2012				
Road Classification	RCU-209-110				Follow-Up By					
Detour Length (km)	60									
Bridge Culvert Information										
Number of Culverts	1									
Pipe #	Barrel	Span	Rise (or Dia.)	Type	Length	Corr. Profile	Pl./Slab Thickness	Shape		
1	U/S	-	2200	MP	6.5	125X26	2.8	ROUND		
1	MAIN	-	1800	MP	18.9	68X13	2.8	ROUND		
1	D/S	-	2200	MP	9.9	125X26	2.8	ROUND		
Special Features	CONC FLOOR									
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	R/W				Gas					
Power	11 wires crosses S				Municipal					
Others					Problem (Y/N)	No				
Remarks										
Approach Road / Embankment										
		Last	Now	Explanation of Condition						
Horizontal Alignment		8	8	Limited sight distance to North, crest.						
Vertical Alignment		6	6							
Roadway Width (m)		13.200		Wide crack across roadway in ACP.						
Embankment		7	7							
Sideslope ( _ :1)		3.5								
(Height of Cover(m) : 0.9)										
Guardrail (Y/N)		No								
Approach Road / Embankment General Rating		6	6							
Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Direction		S								
End Treatment (Concrete, Steel, Others, None)		STEEL								

Upstream End				
Culvert Component		Last	Now	Explanation of Condition
Headwall		X	X	
Collar		X	X	
Wingwalls		X	X	
(Shape : )				
Cutoff Wall		X	X	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	200			
Scour Protection		8	8	
(Type : <b>NATURAL</b> )				
(Avg. Rock Size(mm) : )				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
<b>Upstream End General Rating</b>		<b>8</b>	<b>8</b>	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: U/S, Span (mm): , Rise (mm): 2200, Type: MP)				
Barrel Last Accessible Date	18-Oct-2012			
<b>Special Features</b>				
Special Feature		7	7	
(Type : <b>CONC FLOOR</b> )				
Special Feature				
(Type : )				
Roof		6	4	Minor dent approx 150mm, from installation damage 5m from S end. Mower damage 5m from N end. Dent & cut in roof.
Measured Rise (mm)				
Measured At Ring No.				est
Sag (mm)	0			
Percent Sag				
Sidewall		8	8	
Measured Span (mm)	2200			At c/l.
Measured At Ring No.				
Deflection (mm)	0			
Percent Deflection	0			
Floor		N	N	
Bulge (mm)				
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		8	8	
Separation (mm)	0			

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: U/S, Span (mm): , Rise (mm): 2200, Type: MP)				
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)				
Coating		8	8	
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		X	X	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel Extension General Rating		6	4	
Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1800, Type: MP)				
Barrel Last Accessible Date	18-Oct-2012			
<b>Special Features</b>				
Special Feature		7	7	
(Type : <b>CONC FLOOR</b> )				
Special Feature				
(Type : )				
Roof		7	7	At c/l. Estimate.
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	30			
Percent Sag	2			
Sidewall		7	7	At c/l.
Measured Span (mm)	1830			
Measured At Ring No.				
Deflection (mm)	30			
Percent Deflection	2			
Floor		N	N	Gravel/dirt covered over concrete floor.
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		6	6	
Separation (mm)	60			

Bridge Culvert Barrel				
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 1800, Type: MP)				
Longitudinal Seams		6	6	Riveted.
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		7	7	
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		X	X	Stock pass.
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
<b>Barrel General Rating</b>		<b>6</b>	<b>6</b>	
Downstream End				
Culvert Component		Last	Now	Explanation of Condition
Direction		N		
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		X	X	
Collar		X	X	
Wingwalls		X	X	
(Shape : )				
Cutoff Wall		X	X	
Bevel End		8	8	
Heaving (mm)	0			
Invert Above/Below Stream Bed	ABOVE			
Above/Below (mm)	150			
Scour Protection		8	8	
(Type : <b>NATURAL</b> )				
(Avg. Rock Size(mm) : )				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
<b>Downstream End General Rating</b>		<b>8</b>	<b>8</b>	

Structure Usage				
		Last	Now	Explanation of Condition
<b>Grade Separation</b>				
Road Alignment		9	9	
Roadway Surface		7	7	
(Type : )				
Icing (Y/N)	No			
Traffic Safety Features		X	X	
Type				
Lighting		X	X	
Barrel Leakage (Y/N)	No			
Drainage		4	5	
Structure In Use (Y/N)	Yes			
<b>Grade Separation General Rating</b>		<b>4</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															
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<table border="1"> <tr> <td><b>Structural Condition Rating (Last/Now) (%)</b></td> <td><b>66.7/44.4</b></td> <td><b>Sufficiency Rating (Last/Now) (%)</b></td> <td><b>76.0/65.3</b></td> <td>Est. Repl. Yr</td> <td>2035</td> <td>Maint. Reqd. (Y/N)</td> <td>No</td> </tr> </table>								<b>Structural Condition Rating (Last/Now) (%)</b>	<b>66.7/44.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>76.0/65.3</b>	Est. Repl. Yr	2035	Maint. Reqd. (Y/N)	No
<b>Structural Condition Rating (Last/Now) (%)</b>	<b>66.7/44.4</b>	<b>Sufficiency Rating (Last/Now) (%)</b>	<b>76.0/65.3</b>	Est. Repl. Yr	2035	Maint. Reqd. (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	Arnold Assenheimer		Previous Assistant's Name												
Next Inspection Date	18-Jan-2016		Previous Inspection Date	10-Jul-2009											
Inspection Cycle (Default) (months)	39														
Comment															