Bridge Culvert Inspection													
Bridge File Number 79654 -1 Bridge Culvert						Form Type		CUL1					
Year Built	Year Built 1982			-			Lot No.		3				
Bridge or Town	HMORE				Inspector Name			Jon Davies					
Located Over	TR		ARY TO BOW	RIVER, 2	2.13.19	9,	Inspector Class			BR CLS B			
Located On	1.1	2 R1 2	20.576;1:12 L1 20.575				Assistant Name						
Water Body CL/	20.370,1.12 E1 20.373				Assistant Class								
Navigabil CL/X	ear						Inspection Date			23-Feb-2012			
Legal Land Loca	ation SE	SEC						ntry By		Anne Roberts			
Longitude Latit		3-23-1	10 51:02:16	JL 20 W			Data Entry Date		19-Mar-2012				
Pood Authority		0.20. I	ransportation				Reviewer Name		Garry Roberts				
Road Authonity Alberta			Tanspontation			Review Date		01-Mar-2012					
Clear Boodwoy		5 / 16	6 dog (PHE)					Dept. Reviewer Name		Tim Davies			
	3Kew 30.	020 / 10				Dept. Review Date		22-Mar-2012					
Road Classificat	tion RA	D-412	-412 4-120				Follow-Up By						
Detour Length (km) 1												
Bridge Culvert Information													
Number of Culverts 1													
Pipe #	Barrel	S	Span	an Rise (or Dia.)		Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN	-		1524		SP		102.4		152X51	3.0	ROUND	
Special Features STORM WATER DRAIN					1								
Special Features Comment													
Utilities (Located at)													
Utility Attachments OTHER UTILITIES-Bell West fibre optic Nov 2006.; TELEPHONE UTILITIES-Telus fiber optic over culvert Dec 2005.													
Dewer													
Power							IVIUNICI	Problem (V/N) No					
Demarka E Optice North and South POW						Problei	n (Y/N)	INO					
Approach Pood / Embankmont													
Last Now Explanation of Condition													
Horizontal Alignment				6	6	60 KM/HR, INTERSECTION TO STRATHMORE							
Vertical Alignment				7	7	THIS CULVERT GOES UNDER HWY. 1 AND SERVICE ROADS AT NORTH.							
Roadway Width (m)			30.500										
Embankment				7	7	@ Serv	vice road	4.2m (@ HWY 1				
Sideslope (:1)		3.0										
(Height of Cover(m) : 4.5)													
Guardrail (Y/N)			Yes			GUAR Rebolt	DRAIL Of 5 section	N SER Is rail a	VICE ROAD Of nd reset 3 TT p	NLY. oost at NE			
Approach Road	d / Embanl	kment	t General Rat	ing	6	6							
						Upstre	am End						
Culvert Compo	onent				Last	Now	Explan	ation of	Condi	tion			
Direction			N										
End Treatment (Concrete, Steel, ST Others, None)		STEEL											
Headwall				X	Х								
Collar			X	Х									
Wingwalls					X	X							
(Shape :)					1								
Cutoff Wall					X	X							

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Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		5	5	Minor damage						
Heaving (mm)	75									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm) 50										
Scour Protection			7							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		7	7							
Beavers (Y/N) No			<u> </u>							
Upstream End General Rating		5	5							
		Duit								
Culvert Component		Brid		Explanation of Condition						
(Pipe # : 1 Primary Span Local	tion Code: MAIN_Sna	n (mm).	Rise (mm): 1524 Type: SP						
Regral Last Assessible Date	22 Ech 2012		<u>).</u>	, Kise (mm). 1524, Type. Sr /						
Barrel Last Accessible Date	23-Feb-2012									
Special Features	·									
Special Feature		7	7	Line/ CULE starts at D/S of storm water drain.						
(Type : STORM WATER DRAI	N)			Span at D/S end of liner 1430mm.						
Special Feature				SPAN NEAR MID POINT OF LINER 1430 mm. Estimate entered U/S						
(Type:)				1/4 and D/S 1/4 of line.						
Roof		7	7	CUL-E / Liner starts at end of R 10						
Measured Rise (mm)	1475									
Measured At Ring No.	9									
Sag (mm)	49									
Percent Sag	3									
Sidewall		7	7							
Measured Span (mm)	1540									
Measured At Ring No.	9									
Deflection (mm)	16									
Percent Deflection	1									
Floor		N	N	water avg 600 mm water at D/S Bevel						
Bulae (mm)	0									
Measured At Ring No.	-									
Abrasion (Y/N)	No									
Circumferential Seams		7	7							
Separation (mm)	0									
Longitudinal Seams		6	6	10mm vert Sep @ 2 Oclock @ R 6						
Total No. of Cracked Rings	0	-	<u> </u>							
Total No. of Rings with Two Cracked Seams	0									
Min. Remaining Steel Between Cracks (mm)	0									
Proper Lap (Y/N)	No									
Longitudinal Stagger (Y/N)	No									
Coating		6	6	RUST IS COMING THROUGH LOWER BOI T HOLES, WATER						
Corrosion By Soil (Y/N)	Yes	-		AND SOIL. Minor						
Corrosion By Water (Y/N)	Yes									
Camber POS/7FRO/NEG	NEG									
	No									
Ponding (Y/N)	INO									

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Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition					
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 1524, Type: SP)					
Fish Passage Adequacy		7	7						
Baffle		X	X						
(Туре :)									
Waterway Adequacy		6	6	1m of water at D/S end					
Icing (Y/N) No									
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating			6						
Culvert Component		Last	Now	ean End					
Direction		C							
End Treatment (Concrete, Steel, Others, None)	STEEL	0							
Headwall		Х	Х						
Collar		X	X						
Wingwalls		Х	Х						
(Shape :)									
Cutoff Wall		X	X						
Bevel End	-	5	5						
Heaving (mm)	0								
Invert Above/Below Stream Bed BELOW									
Above/Below (mm) 300									
Scour Protection			5						
(Type : RIP RAP)	(Type : RIP RAP)								
(Avg. Rock Size(mm) : 300)									
Scour/Erosion		5	5						
Beavers (Y/N)	eavers (Y/N) No								
Downstream End General Ratin	ng	5	5						
		S	tructu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment			6	Rock lined erosion @ SW WELL VEGETATED.					
				1500mm SBCSB 15m D/S					
Bank Stability			6						
HWM (m below Top of Culvert) 0.6				Storm Water Retention pond @ u/s end -					
Drift (Y/N) No				No visible HWM					
Channel Bottom AGGRADING Degrading/Aggrading									
Beavers (Y/N) No									
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating		6	6						

Maintenance Recommendations											
Inspector Recommendations		Year	Inspecto	r Comments		Department Com	iments	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		2012	Rebolt se posts at	ection 5 of guardrail and re NW of service road North e	set 3TT end culvert						
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		66.7/66.	7	Sufficiency Rating (Last/Now) (%)		62.1/62.1	Est. Repl. Yr	. Repl. Yr 2027		qd. (Y/N)	Yes
Special Comments for Next Inspection						Department Comments					
Maintenance Reviewed By						Date		E	Estimated Total	0	
Proposed Long-Term Strategy											
On 3-Year Program (Y/N)											
Proposed Action											
Previous Inspector's Name G		Garry Roberts				Previous Assistant's Name					
Next Inspection Date	23-Nov-2013			Previous	Previous Inspection Date 24-Aug-2010						
Inspection Cycle (Default) (months) 21											
Comment											