					Brida	o Culvo	rt Inene	oction					
Bridge File Number 07291 -1 Bridge Culvert				Billag	e Cuive	Form Type			CUL1				
Year Built 1982					Lot No.			1					
	MEDICINE HAT				Inspector Name			Jon Davies					
Located Over	rivanic						Inspector Class		BR CLS B				
Located On			LITORIO II			Assistant Name		DIX OLO D					
Located On 523:02 C1 17.463 Water Body Cl./Year							Assistant Class						
Navigabil. Cl./Year							nspection Date		07-Mar-2012				
		NW SEC	22 TWP 12 R	GF 7 W4	M		1			Kelsey Robert			
3		-	26, 50:01:01	<u></u>			Data Entry By Data Entry Date		07-Apr-2012	<u> </u>			
		Alberta T			Reviewer Name		Garry Roberts						
		CMA23	ranoponation	(,)			Review Date		24-Mar-2012				
Clear Roadway		11 / 4 de	n (RHF)				Dept. Reviewer Name						
AADT/Year	// ORCW	150 / 201					Dept. Reviewer Name Dept. Review Date		17-Apr-2012				
Road Classifica	ation	RCU-208								17 7(p) 2012			
Detour Length		3	, 110				Follow-Up By						
Bridge Culver	` '												
Number of Cul		1											
Pipe #	Barrel	S	Span	Rise (or I	Dia.)	Туре	Length			Corr. Profile	Pl./Slab Thickness	Shape	
1	MAIN	-		1500		SP		67.1			3.0,3.0,3.0	ROUND	
Special Feature						-	07.1			I			
Special Feature		ment											
					Ut	ilities (L	ocated	at)					
Utility Attachme	ents								1				
Telephone									Xing r	oad 50m north			
Power						Municipal							
Others							Probler	m (Y/N)	No				
Remarks				_									
					_		Road / Embankment Now Explanation of Condition						
Horizontal Alig	omont				Last 6	NOW 4	on curve Posted at 65km/h						
Vertical Alignm					5	5	On curve i osted at oomilyii						
			0.000			<u> </u>							
Roadway Widtl	n (m)		8.300										
Embankment			1			4	Erosion in the SE ditch			h with toe of side slope failure contributing to			
Sideslope (:1)			3.0				the D/S end being silte		ed.				
(Height of Co	ver(m)	: 8.6)											
Guardrail (Y/N) No													
Approach Roa	ad / Eml	bankmen	General Rat	ing	5	4							
						Upstre	am End						
Culvert Comp	onent				Last			ation of	Condi	tion			
Direction							West e						
End Treatment (Concrete, Steel, STEEL Others, None)													
Headwall			Х	Х									
Collar			Х	Х									
Wingwalls			Х	Х									
(Shape:)]								
Cutoff Wall			Х	X									
Outon Fran													

07291 -1 Bridge Culvert

			Unstre	am End
Culvert Component		Last	Now	Explanation of Condition
Bevel End		N	N	(Bevel covered by silt) 2005/10/23
Heaving (mm)	200	IN	I IN	Ice covered
Invert Above/Below Stream Bed				
Above/Below (mm)	500		T	
Scour Protection		N	N	Ice covered
(Type: NATURAL)				
(Avg. Rock Size(mm):)			Ι	
Scour/Erosion		N	N	Ice covered
Beavers (Y/N)	No			
Upstream End General Rating		5	5	GR carried forward
		Drid	dae Cu	lvert Barrel
Culvert Component			Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN S			, Rise (mm): 1500, Type: SP)
Barrel Last Accessible Date		Span (IIIII	· <i>y</i> ·	, ruse (min). 1990, Type. Or /
Dailor Last / tooosoible Date				
Special Features				
Special Feature				Barrel U/S had ice with 500mm of crown
(Type:)				D/S silt within 100mm of crown
Special Feature				
(Type:)				
Roof		N	N	(Pipe sagging @ ctr(max. rating))
Measured Rise (mm)				
Measured At Ring No.				
Sag (mm)	0			
Percent Sag	0			
Sidewall		N	N	
Measured Span (mm)				
Measured At Ring No.				
Deflection (mm)	0			
Percent Deflection	0			
Floor	10	N	N	(Covered with dirt and filled with silt. Unable to view barrel)
Bulge (mm)	0	IN	IN	
	0			
Measured At Ring No.				
Abrasion (Y/N)				
Circumferential Seams		N	N	
Separation (mm)	0			
Longitudinal Seams	I	N	N	
Total No. of Cracked Rings	0			
Total No. of Rings with Two Cracked Seams	_			
Min. Remaining Steel Between Cracks (mm)	0			
Proper Lap (Y/N)	No			
Longitudinal Stagger (Y/N)	No			
Coating		N	N	
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (Y/N)				
Camber POS/ZERO/NEG	NEG			No sight line possible
Ponding (Y/N)	Yes			

07291 -1 Bridge Culvert

		Brid	dge Cu	Ivert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe #: 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm) :	, Rise (mm): 1500, Type: SP)				
Fish Passage Adequacy		Х	X					
Baffle		Х	Х					
(Type:)								
Waterway Adequacy		N	3	(Water backed up within 300mm of the roof from middle to the d/s				
Icing (Y/N)	Yes			end). 23-Oct-2005				
Silting (Y/N)	Yes			Silted heavily, up to 1300mm deep at D/S, icing at U/S				
Drift (Y/N)	No							
Barrel General Rating		3	3					
		D	ownstr	ream End				
Culvert Component		Last	Now	Explanation of Condition				
Direction				Not visible due to silt				
End Treatment (Concrete, Steel, Others, None)	NONE							
Headwall		X	X					
Collar		Х	Х					
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		Х	Х					
Bevel End		N	N					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW			Only 100mm of pipe exposed.				
Above/Below (mm)	740							
Scour Protection		N	N					
(Type: NATURAL)								
(Avg. Rock Size(mm):)								
Scour/Erosion		N	N					
Beavers (Y/N)	No							
Downstream End General Ratio	ng	N	N					
		S	- Structu	re Usage				
			Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment		6	6					
Bank Stability		N	4					
HWM (m below Top of Culvert)				HWM not visible				
Drift (Y/N) No								
Channel Bottom Degrading/Aggrading	AGGRADING							
Beavers (Y/N)	No							
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		4	4	general rating carried forward				

		Maintena	nce Recommen	dations					
Inspector Recommendations	Year	Inspector Comments	ince Recommen	Department Com		Target Year	Est. Cost	Cat #	
SHOTCRETE REPAIRS							3		
PLACE ADDITIONAL RIP RAP									
REMOVE DRIFT ACCUMULATION									
INSTALL CONCRETE/STEEL LINING	1								
INSTALL STRUTS									
INSTALL CONCRETE COLLAR/CUTO	OFF								
REPAIR SEAMS									
OTHER ACTION		remove silt build up, and insp estimated year of replacemer with embankment slope stabi	nt in conjunction						
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/N (%)	ow) 33.3/3	33.3/33.3 Sufficiency Rating (Las (%)		58.4/30.3	/30.3 Est. Repl. Yr 2012		Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection	·			Department Comments			·		
Maintenance Reviewed By				Date		E	stimated Tota	I 0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Tim Davies		Previous	Assistant's Name					
Next Inspection Date	07-Jun-2015		Previous	Inspection Date	13-Mar-200	9			
Inspection Cycle (Default) (months)	39								
Comment									