## Bridge Inspection & Maintenance System (Web 2005)

					Brida		art Insne	ction						
Bridge File Numb	ridge File Number 01425 -1 Bridge Culvert				Diffug	e ourve	Ivert Inspection Form Type			CUL1				
Year Built		1984					Lot No.			3				
Bridge or Town N			FIELD				Inspector Name			Garry Roberts				
Located Over							Inspector Class			BR CLS A				
		I ST					Assistant Name		BROLOR					
Located On	7	791:06 (	C1 6.550					nt Class						
Water Body CI./Y	ear							ion Date		17-Jul-2012				
Navigabil. Cl./Yea	ar						Data Entry By			Kelsey Roberts				
Legal Land Locat	ion S	SW SEC	C 1 TWP 29 RC	GE 28 W4	Μ				23-Aug-2012					
Longitude, Latitud	de -	113:49:	33, 51:26:43				Reviewer Name			Ash Morjaria				
Road Authority	ŀ	Alberta <sup>-</sup>	Transportation	(AIT)					28-Jul-2012					
Contract Main. Ar	rea (	CMA29							Namo					
Clear Roadway/S	Skew 8	3.8 / -45	deg. (LHF)				Dept. Review Date			Tim Davies				
AADT/Year			2011 (A)				· ·		24-Aug-2012					
coad Classification RCU-209-110						Follow-Up By								
Detour Length (kr							1							
Bridge Culvert Ir		tion												
Number of Culver			1											
Pipe # B	arrel	;	Span	Rise (or I	Dia.)	Туре	Length			Corr. Profile	PI./Slab Thickness	Shape		
1 M	IAIN		6409	4572		RPA		70.1		152X51	5.0	ARCH		
Special Features														
Special Features	Comm	ent												
•														
	1				Uti	ilities (L	ocated	at)						
Utility Attachment	ts													
Telephone	West R	t Row						Gas						
Power I	East an	and West, crosses to South					Municipal							
Others							Probler	n (Y/N)	No					
Remarks														
				Ар	proa	ch Road	d / Emba	nkment						
					Last	Now	Explan	ation of	Condi	tion				
Horizontal Alignment					7	7	Intersection at culvert and in sag curve.							
Vertical Alignment			6			6	Speed reduced to 80 km/hr at location.							
							Culvert	runs dia	gonal t	through intersection with local road.				
Roadway Width (	m)	9.500 9.500												
Embankment					7	7								
Sideslope (:1	)		3.0				1							
(Height of Cove	·	2.1)					1							
Guardrail (Y/N)	( ) -	,	Yes				Accident damage 3 sections of guard rail, 4 broken posts at NW							
					corner of intersection, causes entire length of guard rail in SB lane to lean away from road at 45 degrees.									
							lean aw	ay from	road at	45 degrees.				
Approach Road	/ Emba	ankmen	t General Rat	ing	6	6								
					-									
							am End							
Culvert Compon	ent				Last	Now		ation of	Condi	tion				
Direction					W		WEST	END						
End Treatment (C Others, None)	Concret	e, Steel	, CONCRETE			_								
Headwall					7	7	Minor h	oneycom	nb					
Collar					8	8								
Wingwalls				Х	Х									
(Shape : )														

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Upstream End										
Culvert Component			Now	Explanation of Condition						
Cutoff Wall		N	N	Buried						
Bevel End		8	8							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	500									
Scour Protection		7	7							
(Type : <b>RIP RAP</b> )										
(Avg. Rock Size(mm) : <b>350</b> )										
Scour/Erosion		7	7							
Beavers (Y/N)	No									
Upstream End General Rating		7	7							
		Bric	dge Cu	lvert Barrel						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	): 6409	, Rise (mm): 4572, Type: RPA)						
Barrel Last Accessible Date	17-Jul-2012									
Special Features										
Special Feature										
(Type : )										
Special Feature										
(Туре : )										
Roof			8	Unable to measure sag due to silt- lines are good						
Measured Rise (mm)										
Measured At Ring No.										
Sag (mm)	ag (mm) 50									
Percent Sag										
Sidewall		8	8	R9 is center of pipe						
Measured Span (mm)	6384		-							
Measured At Ring No.	9									
Deflection (mm)	25									
Percent Deflection	1									
Floor		N	N	Silt covered						
Bulge (mm)	200									
Measured At Ring No.	200									
Abrasion (Y/N)	No									
Circumferential Seams	110	8	8							
Separation (mm)	0	0	0							
	0	8	8							
Longitudinal Seams	0	0	0							
Total No. of Cracked Rings	0									
Total No. of Rings with Two 0 Cracked Seams				No stagger at ¼ piles points						
Min. Remaining Steel Between Cracks (mm)				3N stagger at roof and sidewalls						
Proper Lap (Y/N)	No									
Longitudinal Stagger (Y/N)	Yes		1							
Coating	I	6	6	Isolated minor superficial corrosion at lower sidewall seam, Alkalai staining at upper sidewall R13, R14.						
Corrosion By Soil (Y/N)	Yes			Antaiai siaining al upper sidewall RTS, RT4.						
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									

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Bridge Culvert Barrel									
Culvert Component Last Now Explanation of Condition									
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa								
Ponding (Y/N)	No								
Fish Passage Adequacy			6						
Baffle		X	X						
(Type:)									
Waterway Adequacy		7	7						
Icing (Y/N)	No			1.1m of silt in barrel					
Silting (Y/N)	Yes								
Drift (Y/N)	No								
Barrel General Rating		8 8							
Barrer General Rating									
				ream End					
Culvert Component		1	Now	Explanation of Condition					
Direction	00105	E		EAST END					
End Treatment (Concrete, Steel, Others, None)	CONCRETE								
Headwall		7	7	Minor honeycomb					
		<u> </u>	<u> </u>						
Collar		7	7	Minor cracking, calcium leaching from cracks.					
Wingwalls		Х	Х						
(Shape : )									
Cutoff Wall		N	N	Under water					
Bevel End	1	8	8						
Heaving (mm)	0								
Invert Above/Below Stream Bed				-					
Above/Below (mm) 1000			1						
Scour Protection		7	7						
(Type : <b>RIP RAP</b> )				-					
(Avg. Rock Size(mm) : <b>350</b> )		1	1						
Scour/Erosion		7	7						
Beavers (Y/N)	No								
Downstream End General Ratin	ng	7	7						
		9	structu	re Usage					
		1	Now	Explanation of Condition					
Channel (U/S and D/S)									
Alignment			7						
Bank Stability			7						
HWM (m below Top of Culvert)				No hwm visible					
Drift (Y/N)	No								
Channel Bottom	NONE								
Degrading/Aggrading Beavers (Y/N) No									
(Fish Compensation Measure 1 : <b>NONE</b> )									
(Fish Compensation Measure 2 :	· · · · · · · · · · · · · · · · · · ·								
Channel General Rating			7						
		7	Ľ						

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			Maintenance Rec	commenda	ations				_	
Inspector Recommendations	Y	/ear	Inspector Comments		Department Cor	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		2013	Repair bridge damage to guardrail, 4 sections.	posts, 3						
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/Now) (%)		38.9/88.	9 Sufficiency Rating (Last/N (%)	ow) 8	31.8/81.6	Est. Repl. Yr	2035	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		I	Estimated Total	0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name Garry		Garry Roberts			Previous Assistant's Name					
		17-Oct-2015			nspection Date	17-May-2009				
Inspection Cycle (Default) (months) 39										
Comment										