Bridge Culvert Inspection													
Bridge File Number 74650			350 -1 Bridge Culvert					Form Type		CULM			
Year Built 1986			8				Lot No.		1				
Bridge or Town Name SANGUD			UDO				Inspector Name		Kris Bosters				
Located Over	ITARY TO PADDLE RIVER, 4.30.17. WATERCRS-ST				Inspector Class		BR CLS A						
Located On 757:04 C1 9.592							Assistant Class						
Water Body Cl./	/Year						Inspection Date		20- 10-2012				
Navigabil. Cl./Y	ear							ntry By		ZU-JUI-ZU IZ			
Legal Land Location NW SE			C 31 TWP 57 R	М		Data Er	ntry Date		07-Aug-2012				
Longitude, Latitude -114:53			:53:41, 53:58:11					er Name		Eric Carcoux			
Road Authority Alberta		Alberta	Transportation	(AIT)			Review Date			06-Aug-2012			
Contract Main. Area CMA1		CMA12	IA12					eviewer Na	ame	Brent Herrick			
Clear Roadway	/Skew 1	0.2/					Dept. Review Date			08-Aug-2012			
AADT/Year	3	310 / 20	11 (A)				Follow-l	Јр Ву					
Road Classifica	ition F	RCU-20	9-110				-						
Detour Length (	(km)   3	3											
Bridge Culvert	Informa	tion											
Number of Culv	Perrel		2			T				Com Drofile	DI /Olah	Chara	
Pipe #	Barrei		Span	Rise (or	Dia.)	туре		Length		Corr. Profile	Thickness	Shape	
1	MAIN		-	1500		MP		20		68X13	2.8	ROUND	
2	MAIN		-	1500		MP		20		68X13	2.8	ROUND	
Special Feature	s												
Special Feature	es Commo	ent											
					Uti	lities (l	ocated a	at)					
Utility Attachme	ents					nuee (							
Telephone	Telephone Fast & West r/w						Gas						
Power	West r/v	/est r/w - 3 wire					Municip	al					
Others					Problem	n (Y/N) N	lo						
Remarks	BF tag	u/s end	S pipe.										
Ag					oproad	ch Roac	d / Emba	nkment					
			Last	Now	Explana	ation of Co	ondit	ion					
Horizontal Align	ment				8	8	Field en	Field entrance to S. site 1.2 km N. of bf 09309.					
Vertical Alignme	ent		-		9	9							
Roadway Width	n (m)		9.300										
Embankment					8	8							
Sideslope (	.:1)		4.0										
(Height of Cov	ver(m) : <b>1</b>	I)											
Guardrail (Y/N)			No										
Approach Roa	d / Emba	ankmen	nt General Rating 8		8								
						Unstra	am End						
Culvert Compo	onent				Last	Now	Explana	Explanation of Condition					
(Pipe # : <b>1, Spa</b>	an Type:	Prima	ry Span)			1							
Direction			W		South p	ipe.							
End Treatment (Concrete, Steel, STEEL Others, None)				Too mu	ch water to	o viev	V.						
Headwall					Х	Х							
Collar			Х	Х									
Wingwalls	Wingwalls				Х	Х							
(Shape : )													

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Primary	/ Span)		_	
Cutoff Wall		X	X	
Bevel End		7	N	
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		8	N	
(Type : <b>RIP RAP</b> )				
(Avg. Rock Size(mm) : 150)				
Scour/Erosion		8	N	
Beavers (Y/N)	No			
Upstream End General Rating	·	7	7	GR carried fwd from 14-Feb-2012
		Brie	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	in (mm	ı):	, Rise (mm): 1500, Type: MP)
Barrel Last Accessible Date	14-Feb-2012			Water ti 0.2m below crown.
Special Features				
Special Feature				
(Type:)				
Special Feature				
(Туре : )				
Roof		4	N	
Measured Rise (mm)				est - 14-Feb-2012
Measured At Ring No.				-
Sag (mm)				
Percent Sag	4			
Sidewall		3	N	a - 11 Eat 2012
Measured Span (mm)	1700			
Measured At Ring No.				-
Deflection (mm)	200			-
Percent Deflection	13		_	
Floor	1	N	N	
Bulge (mm)	0			-
Measured At Ring No.				-
Abrasion (Y/N)	No		1	
Circumferential Seams		7	N	
Separation (mm)	30		_	
Longitudinal Seams		X	N	
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		4	Ν	Pitting rust on lower 1/214-Feb-2012
Corrosion By Soil (Y/N)	Yes			
Corrosion By Water (V/N)	Vec			

Alberta Transportation

Bridge Inspection & Maintenance System (Web 2005)

74650 -1 Bridge Culvert

	Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Location Code: MAIN, Span			):	, Rise (mm): 1500, Type: MP)						
Camber POS/ZERO/NEG NEG										
Ponding (Y/N) Yes				About 0.2m below crown u/s.						
Fish Passage Adequacy		5	5							
Baffle			Х							
(Туре:)										
Waterway Adequacy		7	4	Water 0.2 below crown.						
Icing (Y/N)	No			-						
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		3 3		GR carried fwd from 14-Feb-2012						
		D	ownstr	eam End						
Culvert Component	<b>0</b>	Last	Now	Explanation of Condition						
(Pipe # : 1, Span Type: Primary	v Span)	_								
Direction	0	E		Too much water to view.						
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		X	X							
Collar		X	X							
Wingwalls		X	X							
(Shape : )			1							
Cutoff Wall		X	X							
Bevel End		7	N							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW			-						
Above/Below (mm)	200		1							
Scour Protection		8	N							
(Type : <b>RIP RAP</b> )				-						
(Avg. Rock Size(mm) : <b>150</b> )										
Scour/Erosion		8	N							
Beavers (Y/N)	No		1							
Downstream End General Ratin	ng	7	7	GR carried fwd from 14-Feb-12						
			Upstre	am End						
Culvert Component			Now	Explanation of Condition						
(Pipe # : 2, Span Type: Secondary Span)										
Direction		W		-						
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		Х	X							
Collar		Х	X							
Wingwalls		Х	X							
(Shape : )										
Cutoff Wall		Х	X							

Alberta Transportation

	l.		Upstre	eam End				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 2, Span Type: Second	lary Span)							
Bevel End		7	N					
Heaving (mm)								
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	200							
Scour Protection		8	N	-				
(Type : <b>RIP RAP</b> )				-				
(Avg. Rock Size(mm) : 150)								
Scour/Erosion		8	N					
Beavers (Y/N)	No							
Upstream End General Rating		7	7	GR carried fwd from 14-Feb-2012				
		Bri	dae Cu	lvert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 2, Secondary Span, Lo	ocation Code: MAIN, S	Span (	mm):	, Rise (mm): 1500, Type: MP)				
Barrel Last Accessible Date	14-Feb-2012			Water to 0.2m below crown				
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Туре : )								
Roof		4	N					
Measured Rise (mm)								
Measured At Ring No.								
Sag (mm)								
Percent Sag	9							
Sidewall		3	N					
Measured Span (mm)	1680							
Measured At Ring No.								
Deflection (mm)	180							
Percent Deflection	12							
Floor		N	N					
Bulge (mm)	0							
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		7	N					
Separation (mm)	30							
Longitudinal Seams		X	N					
Total No. of Cracked Rings								
Total No. of Rings with Two Cracked Seams								
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)				1				
Longitudinal Stagger (Y/N)				1				
			N	Pitting rust on lower 1/2 -14-Feb-2012				
			I N					
Corrosion By Water (V/N)	Yes							
	NEC							
Gamber POS/ZERO/NEG	INEG							

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Bridge Inspection & Maintenance System (Web 2005)

74650 -1 Bridge Culvert

Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition					
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN, S	Span (r	nm):	, Rise (mm): 1500, Type: MP)					
Ponding (Y/N)	Yes			About 0.2m from crown u/s end.					
Fish Passage Adequacy			N						
Baffle		Х	Х						
(Type:)									
Waterway Adequacy		8	N						
Icing (Y/N)	No		_						
Silting (Y/N)	No								
Drift (Y/N)	No								
Barrel General Rating		3	3	GR carried fwd from 14-Feb-2012					
Culvert Component		D	ownstr	ream End					
Cuivert Component	on (Snon)	Last	NOW	Explanation of Condition					
CPipe # : 2, Span Type: Second	ary Span)	-		<b>- - - - - - - - - -</b>					
Direction		E		I oo much water to view					
Others, None)	STEEL								
Headwall		X	X						
Collar			X						
Wingwalls		Х	Х						
(Shape : )									
Cutoff Wall		X	X						
Bevel End		7	N						
Heaving (mm)	0								
Invert Above/Below Stream Bed	BELOW								
Above/Below (mm)	200								
Scour Protection		8	N						
(Type : <b>RIP RAP</b> )									
(Avg. Rock Size(mm) : 150)									
Scour/Erosion		8	N						
Beavers (Y/N)	No								
Downstream End General Rati	ומ	7	7	GR carried fwd from 14-Feb-2012					
	5		1						
		last	Now	Explanation of Condition					
Channel (U/S and D/S)		Lasi	1400						
Alignment		7	7						
Bank Stability			8						
HWM (m below Top of Culvert)				Grass in trees 0.2m above crown					
Drift (Y/N)	No								
Channel Bottom Degrading/Aggrading	Channel Bottom Degrading/Aggrading								
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating			7						

			Maintenance Recomm	nendations					
Inspector Recommendations	Y	/ear	Inspector 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/CUTC	DFF								
REPAIR SEAMS									
OTHER ACTION	2	2012	Level 2 barrel measurements/inspection.						
OTHER ACTION									
OTHER ACTION									
OTHER ACTION									
Structural Condition Rating (Last/No	ow) 3	33.3/33.3	3 Sufficiency Rating (Last/Now) (%)	57.3/47.9	<b>57.3/47.9</b> Est. Repl. Yr 2030			qd. (Y/N)	Yes
Special Do measurements in Fall. Comments for Next Inspection				Department Comments					
Maintenance Reviewed By				Date		E	stimated Total	0	
Proposed Long-Term Strategy									
On 3-Year Program (Y/N)									
Proposed Action									
Previous Inspector's Name	Wade Na	anninga	a Previ	ious Assistant's Name	Assistant's Name				
Next Inspection Date 20-00		2015	Previ	ious Inspection Date	Inspection Date 14-Feb-2012				
Inspection Cycle (Default) (months) 39									
Comment									