					Bride	e Culve	ert Insp	ection					
Bridge File Number 75921 -1 Bridge Culvert			Billag	e Cuive	Form 7		CUL1						
		1965					Lot No	<del></del>	2				
	n Name		SON SON					tor Name		Russel Vanderschaaf			
Bridge or Town Name Located Over		KLESKUN CREEK, 8.10.58.13,						tor Class	BR CLS B				
Located Over		WATER	CRS-ST	10.50.15,			· ·	int Name	DI OLO D				
Located On		733:02 C	C1 14.481					int Class					
Water Body C	I./Year							tion Date	03-May-2010	03 May 2010			
Navigabil. Cl./	Year								Theresa Lacu				
Legal Land Lo	cation	SW SEC	34 TWP 73 R	М		Data Entry By  Data Entry Date		21-Jun-2010					
Longitude, Lat	titude	-118:23:	05, 55:21:40					er Name	Arnold Assen	heimer			
Road Authority	у	Alberta 7	Transportation	(AIT)			Reviev		07-Jun-2010				
Contract Main	. Area	CMA05					Dept. Reviewer Name			an .			
Clear Roadwa	y/Skew	8.6 /			Dept. Review Date		10-Sep-2010	all					
AADT/Year		910 / 200	910 / 2009 (A)				Follow-Up By		10-3ер-2010				
Road Classific	cation	RCU-209-110					1 Ollow	ор Бу					
Detour Length	(km)	3											
Bridge Culve	rt Inform	nation											
Number of Cu	lverts	1											
Pipe #	Barrel	5	Span	Rise (or	Dia.)	Туре		Length	Corr. Profile	PI./Slab Thickness	Shape		
1	MAIN	-		4000		SP		96.3	152X51	4.0,5.0	ROUND		
Special Featu	res	5	SHOTCRETE	BEAM									
Special Featu	res Comi	ment			114	:::::		-A\					
Litility Attack					Uti	llities (L	ocated	at)					
Utility Attachm		T SIDE AI	ONC EMPAN	IVMENIT			Gas						
Telephone								1					
Power Others							Munici	m (Y/N) No	<u> </u>				
Remarks	Fibre	optics Eas	ot r/w				Flobie	11 (1/14)   140	)				
Remarks	T IDICC	optios Lac	5C 17 VV.	Δι	nroad	ch Road	d / Emb	ankment					
								ation of Co	ndition				
Horizontal Alignment			8	8	IN SAG CURVE								
Vertical Alignment				6	6	limited site distance both with directions, no passing.							
Roadway Width (m)		8.600				unecuc	7115, 110 passi	ng.					
Embankment					8	4	3mWx	BmDx9mL sc	cour on NW ditch-	photo.			
Sideslope (:1)		3.5					(SE ditch scouring near channel-photo -2mWx8mLx0.5D)						
(Height of C		12.3)					-∠mvv>	omexu.5D)					
Guardrail (Y/N			No										
Approach Road / Embankment		nt General Rating		6	6								
						Unstre	am End						
Culvert Comp	onent				Last	Now		ation of Co	ndition				
Direction			W										
End Treatmen Others, None)		ete, Steel	CONCRETE										
Headwall					Х	Х							
Collar					N	5	MINOF	CRACKING	S IN COLLAR & S	EPARATION (	Photo).		
Wingwalls					Х	X							
(Shape :	)												
Cutoff Wall					N	N							

75921 -1 Bridge Culvert

			11					
Culvert Component			Now	am End				
Culvert Component Bevel End		Last 7	7	Explanation of Condition  50mm hole @ 3 o'clock				
	0	,	1	Somm hole @ 3 o clock				
Heaving (mm) Invert Above/Below Stream Bed	0							
Above/Below (mm)	0							
Scour Protection	0	N	6					
(Type : NATURAL)		IN	0					
(Avg. Rock Size(mm) : ) Scour/Erosion		N	6					
Scour Erosion		l IN	"					
Beavers (Y/N)	No							
Upstream End General Rating		6	4					
		Brid	dae Cu	lvert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Local	tion Code: MAIN. Spa			, Rise (mm): 4000, Type: SP)				
Barrel Last Accessible Date	03-May-2010	(	<del>,</del>	,,, ., ., ., ., ., ., ., ., .,				
	23							
Special Features								
Special Feature		7	6	Shotcrete is from R7 to 28.(6.75,12.25 13.25,17.25,30.50,35.50 from u/s end of shotcrete narrow crack from				
(Type : <b>SHOTCRETE BEAM</b> )				top to bottom.				
Special Feature								
(Type:)			,					
Roof		6	7	Top of barrel at u/s end bent down 200mm.				
Measured Rise (mm)	4050			Upward deflection. Could not measure rise from 7-16 due to rock buildup.				
Measured At Ring No.	29							
Sag (mm)	50							
Percent Sag	1							
Sidewall		7	7	(Assume 150mm shotcrete 3840mm).				
Measured Span (mm)				Inward deflection				
Measured At Ring No.								
Deflection (mm)	88							
Percent Deflection								
Floor		N	4	(3.6 to 8.2m from d/s end of barrel floor has perforations 50mm and				
Bulge (mm)	0			smaller -photo				
Measured At Ring No.	10							
Abrasion (Y/N)	Yes							
Circumferential Seams		7	7					
Separation (mm)	0							
Longitudinal Seams		7	7					
Total No. of Cracked Rings	0							
Total No. of Rings with Two Cracked Seams								
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)	No							
Longitudinal Stagger (Y/N)	No							
Coating		N	4	Scaling rust near downstream & u/s endsphoto				
Corrosion By Soil (Y/N)	Yes			255				
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	ZERO							
Ponding (Y/N)	No							

75921 -1 Bridge Culvert

		Bric	lge Cu	ılvert Barrel			
Culvert Component		Last	Now	Explanation of Condition			
(Pipe # : 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 4000, Type: SP)			
Fish Passage Adequacy		7	7				
Baffle		Х	X				
(Type:)							
Waterway Adequacy		7	7				
Icing (Y/N)	No						
Silting (Y/N)	No						
Drift (Y/N)	No						
Barrel General Rating		6	6				
		D	ownstr	eam End			
Culvert Component		Last	Now	Explanation of Condition			
Direction End Treatment (Concrete, Steel, Others, None) Headwall Collar Wingwalls (Shape: ) Cutoff Wall Bevel End		E					
End Treatment (Concrete, Steel, Others, None)	STEEL						
Headwall		Х	Х				
Collar		Х	Х				
Wingwalls		X	X				
(Shape: )							
Cutoff Wall		N	Х				
Bevel End		5	5	Bevels pushing in 200mm per side.			
Heaving (mm)	0						
Invert Above/Below Stream Bed	ABOVE						
Above/Below (mm)	450						
Scour Protection		N	4	Bevel undermined for 1.5mphoto			
(Type : <b>RIP RAP</b> )							
(Avg. Rock Size(mm) : <b>400</b> )							
Scour/Erosion		N	4	Bevel undermined for 1.5mphoto			
Beavers (Y/N)	No						
Downstream End General Ratio	ng	5	4				
		S		e Usage			
		Last	Now	Explanation of Condition			
Channel (U/S and D/S)		l _	T _				
Alignment		5	5				
Bank Stability		5	5	BANK D/S Vertical slope. Vertical banks 20 m u/s			
HWM (m below Top of Culvert)				HWM not visible			
Drift (Y/N)	No						
Channel Bottom Degrading/Aggrading	DEGRADING						
Beavers (Y/N)	Yes						
(Fish Compensation Measure 1 :	NONE)						
(Fish Compensation Measure 2 :	NONE)						
Channel General Rating		5	5				

				Maintenance F	Recommend	ations					
Inspector Recommendations			Year Inspector Comments			Department Com	Target Year	Est. Cost	Cat #		
SHOTCRETE RE											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT	ACCUMULATION										
INSTALL CONCR	RETE/STEEL LINING	i									
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTOFF		OFF									
REPAIR SEAMS											
OTHER ACTION		2010		urs in NW and SE ditches v n3 of class 1 riprap.	ith 81m3						
OTHER ACTION		2010	Repair (	undermined d/s bevel.							
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
OTHER ACTION											
Structural Condition Rating (Last/Now) (%)		ow) 66.7/	66.7	Sufficiency Rating (Las	t/Now)	67.4/64.5	Est. Repl. Yr	2013	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection	Monitor cracks in sh	notcrete and c	ollar. Also p	perforations in floor d/s end	of barrel.	Department Comments					
Maintenance Reviewed By						Date		E	Estimated Tota	I 0	
Proposed Long-T	erm Strategy										
On 3-Year Progra	am (Y/N)										
Proposed Action											
Previous Inspector's Name Co		Colin Roy F			Previous	s Assistant's Name					
Previous Inspecto			03-Aug-2013								
		03-Aug-2013			Previous	Inspection Date	01-Feb-2007	<b>'</b>			
Next Inspection D		03-Aug-2013 39			Previous	Inspection Date	01-Feb-2007				