Bridge Culvert Inspection												
Bridge File Number 72006		06 -1 Bridge Culvert				Form Type		CULE				
Year Built 1954		ł				Lot No.		2				
Bridge or Town	Name NIT(DN JUNCTI	JUNCTI				Inspector Name		Todd Warshawski			
Located Over	BRU	LE CREEK, 8.11. FRCRS-ST	CREEK, 8.11.84.51.23, CRS-ST				Inspector Class		BR CLS B			
Located On 16:08 R1 19.032			0.032:16:08 L1 19.050			Assistant Name						
Water Body CI./	· · ·					Assistant Class		40.4				
Navigabil. CI./Ye	ear						Data Entry By		10-Aug-2012			
Legal Land Loca	ation NW	SEC 27 TWP 53 I	C 27 TWP 53 RGE 12 W5M				Data Entry Date		Ineresa Lacusta			
Longitude, Latitude -115:41:1		:41:11, 53:36:41	:11, 53:36:41						Fric Carcoux			
Road Authority Alberta T		rta Transportation	Transportation (AIT)				Review Date		27-Aug-2012			
Contract Main. Area CMA12		12					Dept. Reviewer Name		Brent Herrick			
Clear Roadway/	Skew 24.2	/					Dept. Review Date		18-Sep-2012			
AADT/Year	6,84	0 / 2011 (A)	2011 (A)				Follow-Up By					
Road Classificat	tion RAD	-412.4-120										
Detour Length (km) 1											
Bridge Culvert	Information)										
Number of Culve	erts	1										
Pipe #	Barrel	Span	Rise (or D	Dia.) Type			Length		Corr. Profile	PI./Slab Thickness	Shape	
1	U/S	-	4920		SP		48.7		152X51	4.0	ROUND	
1	MAIN	6400	1980	BP			25.2				RECTANGLE	
Special Feature	s	STORM WATE	ER DRAIN									
Special Feature	s Comment											
				+;	litios (l	ocated	at)					
Litility Attachments												
Telephone		Gas										
Power						Municipal						
Others	Fibre optic	optics cable South r/w & North r/w			С	Proble	Problem (Y/N) No					
Remarks	File tag U/S	8.						1				
			Арр	oroad	ch Road	d / Emb	ankment					
			L	ast	Now	Explanation of Condition						
Horizontal Align	ment			7	7	Residence access 100m NE & SE, access 300m NW & SW.					/ & SW.	
Vertical Alignme	ent			8 8								
Roadway Width	(m)	24.200				WBL 1	WBL 11.8, EBL 12.4					
Embankment			7		7	5:1 South side.						
Sideslope (:1) 3.0						-						
(Height of Cover(m) : 1.4)												
Guardrail (Y/N)		Yes										
Approach Road	d / Embank	ment General Ra	ting	7	7							
					Upstre	am End						
Culvert Component			ast	Now	Explanation of Condition							
Direction		5	S		SPCSP							
End Treatment (Concrete, Steel, CONCRETE Others, None)		≡										
Headwall			8	7	Several narrow cracks							
Collar			8	7	Several wide cracks.							
Wingwalls				Х	Х							
(Shane ·)	(Shape :)											

Upstream End								
Culvert Component		Last	Now	Explanation of Condition				
Cutoff Wall		N	N	Under water.				
Bevel End		7	7					
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	900							
Scour Protection	·	7	7					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 700)								
Scour/Erosion			7					
Beavers (Y/N)	No							
Upstream End General Rating		7	7					
Outrant Ocean an and		Brid	dge Cu	vert Barrel				
Cuivert Component	tion Code: U/C. Snon		NOW	Explanation of Condition				
	tion Code: 0/5, Span	(mm):	, r					
Barrel Last Accessible Date	12-Dec-2001			Viewed from ends, shape and condition appears OK.				
Special Features								
Special Feature				Storm Water Drain in median.				
(Type:)				-				
Special Feature								
(Туре:)								
Roof		N	N					
Measured Rise (mm)								
Measured At Ring No.								
Sag (mm)								
Percent Sag								
Sidewall		N	N					
Measured Span (mm)								
Measured At Ring No.								
Deflection (mm)								
Percent Deflection								
Floor		N	N					
Bulge (mm)								
Measured At Ring No.								
Abrasion (Y/N)	Yes							
Circumferential Seams		N	N					
Separation (mm)	0							
Longitudinal Seams		N	N					
Total No. of Cracked Rings	0							
Total No. of Rings with Two Cracked Seams				2N stagger.				
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)	Yes							
Longitudinal Stagger (Y/N)	Yes							
Coating		5	N					
Corrosion By Soil (Y/N)	No							
Corrosion By Water (Y/N)	Yes							
Camber POS/ZERO/NEG	ZERO							

Bridge Inspection & Maintenance System (Web 2005)

72006 -1 Bridge Culvert

Bridge Culvert Barrel								
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: U/S, Span	(mm):	, F	Rise (mm): 4920, Type: SP)				
Ponding (Y/N)	No							
Fish Passage Adequacy			7					
Baffle			Х					
(Туре :)								
Waterway Adequacy		7	7					
Icing (Y/N)	No							
Silting (Y/N)	No			Large drift pile in SPCSP/box transition.				
Drift (Y/N)	Yes							
Barrel Extension General Ratir	ng	N	N					
		Brid	dge Cu	lvert Barrel				
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	ın (mm): 6400	, Rise (mm): 1980, Type: BP)				
Barrel Last Accessible Date	12-Dec-2001							
Special Features								
Special Feature		X	X	-				
(Type : STORM WATER DRAI	N)	1		-				
Special Feature								
(Туре :)			_					
Roof	1	N	4	South end, East span - exposed rebar, bad repair of scaling.				
Measured Rise (mm)				-				
Measured At Ring No.				-				
Sag (mm)				-				
Percent Sag			_					
Sidewall	1	N	5	Medium scaling3 cells wide.				
Measured Span (mm)				-				
Measured At Ring No.				-				
Deflection (mm)				-				
Percent Deflection								
Floor	1	N	5	(Abrading with 25mm loss of concrete. 2001/12/12)				
Bulge (mm)	0			S.H and rocks is center and West cell.				
Measured At Ring No.				-				
Abrasion (Y/N)	Yes							
Circumferential Seams		N	4	Starting to lose fill, water stop corroded right through lower 300mm, both sides.				
Separation (mm)	20							
Longitudinal Seams		X	X					
Total No. of Cracked Rings				-				
I otal No. of Rings with Two Cracked Seams								
Min. Remaining Steel Between Cracks (mm)								
Proper Lap (Y/N)								
Longitudinal Stagger (Y/N)								
Coating		Х	Х					
Corrosion By Soil (Y/N) No				1				
Corrosion By Water (Y/N)				1				
Camber POS/ZERO/NEG	ZERO							
	1							

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel								
Culvert Component		Last	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	n (mm): 6400	, Rise (mm): 1980, Type: BP)				
Ponding (Y/N)	Yes							
Fish Passage Adequacy			7					
Baffle			Х					
(Туре:)								
Waterway Adequacy		7	6					
Icing (Y/N)	No							
Silting (Y/N)	Yes			Minor drift pile in SPCSP/box transition.				
Drift (Y/N)	Yes							
Barrel General Rating			4					
			ownstr	eam End				
Culvert Component		Last	Now	Explanation of Condition				
Direction		N						
End Treatment (Concrete, Steel, Others, None)	CONCRETE							
Headwall	1	5	5					
Collar			Х					
Wingwalls		X	X					
(Shape :)								
Cutoff Wall		N	X					
Bevel End		5	5	Several wide cracks along both barrels.				
Heaving (mm)	0							
Invert Above/Below Stream Bed								
Above/Below (mm)	0							
Scour Protection		7	7					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 500)			1					
Scour/Erosion		7	7					
Beavers (Y/N)	No							
Downstream End General Ration	ng	5	5					
		s	structu	re Usage				
		Last	Now	Explanation of Condition				
Channel (U/S and D/S)								
Alignment			6					
Bank Stability			6					
HWM (m below Top of Culvert) 0.3				Drift/grass in fence accross channel.				
Drift (Y/N) Yes								
Channel Bottom DEGRADING 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		⁄ear	Inspector Comments	Department Corr		Target Year	Est. Cost	Cat #			
SHOTCRETE REPAIRS											
PLACE ADDITIONAL RIP RAP											
REMOVE DRIFT ACCUMULATION	20	012	from SPCSP/box transition.								
INSTALL CONCRETE/STEEL LINING											
INSTALL STRUTS											
INSTALL CONCRETE COLLAR/CUTC	DFF										
REPAIR SEAMS											
OTHER ACTION											
OTHER ACTION									_		
OTHER ACTION									_		
OTHER ACTION											
Structural Condition Rating (Last/No (%)	ow) 4	4.4/44.4	4 Sufficiency Rating (Last/Now) (%)	58.3/55.1	Est. Repl. Yr	2035	Maint. Red	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	Todd Wa	arshaws	ski Previou	Assistant's Name							
Next Inspection Date	10-May-2	2014	Previou	is Inspection Date	s Inspection Date 16-Sep-2010						
Inspection Cycle (Default) (months) 21											
Comment											