					Brida	e Culve	ert Inspe	ection					
Bridge File Number 13581 -1			1 -1 Bridge Culvert				Form Type			CUL1			
Year Built		1990					Lot No.			2			
Bridge or Town	Name	WESTLC	DCK				Inspect	or Name		Todd Warshav	wski		
Located Over		TRIBUTARY TO WABASH CREE				FK.		or Class		BR CLS B			
		8.11.84.17.4, WATERCRS-ST				,		Assistant Name					
Located On		44:02 C1	4.752				Assista	nt Class					
Water Body Cl.	/Year						Inspection Date			16-Apr-2013			
Navigabil. Cl./Y	'ear						Data Entry By			Theresa Lacusta			
Legal Land Loc	cation	NW SEC	16 TWP 60 F	RGE 26 W	/4M			ntry Date		22-Apr-2013			
Longitude, Lati	tude	-113:50:5	59, 54:11:41				Reviewer Name			Eric Carcoux			
Road Authority	,	Alberta T						Review Date		21-Apr-2013			
Contract Main.	Area	CMA10	-							Brent Herrick			
							Dept. Review Date		23-Apr-2013				
AADT/Year 3,650		3,650 / 2	0 / 2012 (A)					Follow-Up By					
Road Classification RAU-211			1.8-110										
Detour Length	· /	8											
Bridge Culvert		nation											
Number of Culv	verts	1											
Pipe #	Barrel	S	Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN	6	097	4144		RPA		29.3		152X51	5.0,4.0,5.0	ARCH	
Special Feature	es												
Special Feature	es Comi	ment											
					Uti	ilities (L	ocated	at)					
Utility Attachme							-						
Telephone	West						Gas						
Power		es East r/w				Municipal							
Others Telegraph west r/w & railway.							Probler	n (Y/N)	No				
Remarks	BF pla	aque on S	W headwall.										
Approach Road / Embankment Last Now Explanation of Condition													
Horizontal Alia	amont				6	6	Explanation of Condition Curve starts over pipe. Field entrance 20m NE.						
Horizontal Alignment Vertical Alignment				8	8								
Roadway Width (m)			11.800			0	Rando	andom ACP cracking over pipe.					
Embankment					8	8	At culv	ert. 3.5:1	awav	from culvert.			
Sideslope (:1)		5.0		Ū	0		0.0.1	unuy				
(Height of Co		0.5)	0.0		1								
Guardrail (Y/N)			Yes										
Approach Roa	ad / Eml	bankmen	t General Rat	ing	6	6							
						Upstre	am End						
Culvert Comp	onent				Last	Now	1	ation of (Condi	tion			
Direction					E		Narrow	Narrow cracks visible in headwall, collar, slope protection					
End Treatment Others, None)	(Concre	ete, Steel,	CONCRETE				wingwa	Ills.					
Headwall					7	7							
Collar	Collar				7	5	Wide cracks along lower NE.						
Wingwalls					7	7							
(Shape : FLA	RE)						1						
Cutoff Wall	,				N	N							

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	Upstream End										
Culvert Component		Last	Now	Explanation of Condition							
Bevel End		7	7	Lower 1/2 not rated.							
Heaving (mm)	0										
Invert Above/Below Stream Bed	BELOW										
Above/Below (mm)	1200										
Scour Protection		8	8								
(Type : RIP RAP)											
(Avg. Rock Size(mm) : 400)			-								
Scour/Erosion		8	8								
Beavers (Y/N)	No										
Upstream End General Rating		7	5								
				Ivert Barrel							
Culvert Component				Explanation of Condition							
(Pipe # : 1, Primary Span, Loca		in (mm): 6097	, KISE (MM): 4144, Type: RPA)							
Barrel Last Accessible Date	16-Apr-2013										
Special Features											
Special Feature				"N" - Composite concrete roof/wing arms.							
(Type :)				· · · · · · · · · · · · · · · · · · ·							
Special Feature											
(Type:)											
Roof		7	7	Sag est at less than 5% as measured off ice.							
Measured Rise (mm)											
Measured At Ring No.											
Sag (mm)	85										
Percent Sag											
Sidewall		7	7								
Measured Span (mm)	6098										
Measured At Ring No.	3										
Deflection (mm)	0										
Percent Deflection	0										
Floor		N	N	Covered in water/ice.							
Bulge (mm)	0										
Measured At Ring No.											
Abrasion (Y/N)	No			1							
Circumferential Seams		N	7	Lower 1/3 not rated.							
Separation (mm)	0										
Longitudinal Seams			7	Lower 1/3 not rated.							
Total No. of Cracked Rings	0	N									
Total No. of Rings with Two Cracked Seams											
Min. Remaining Steel Between Cracks (mm)											
Proper Lap (Y/N)	Yes										
Longitudinal Stagger (Y/N)	Yes										
Coating		N	5	Bottom 1/3 not visible.							
Corrosion By Soil (Y/N)	No										
Corrosion By Water (Y/N)	Yes										
Camber POS/ZERO/NEG	ZERO										
Ponding (Y/N)	No										

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Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel											
Culvert Component		1		Explanation of Condition							
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN, Spa	an (mm): 6097	/, Rise (mm): 4144, Type: RPA)							
Fish Passage Adequacy		8	8								
Baffle		N	N								
(Туре :)											
Waterway Adequacy		8	8								
Icing (Y/N)	No										
Silting (Y/N)	No										
Drift (Y/N)	No										
Barrel General Rating	Barrel General Rating										
	Downstream End										
Culvert Component		Last	Now	Explanation of Condition							
Direction		W									
End Treatment (Concrete, Steel, Others, None)	CONCRETE										
Headwall		7	6	Medium shrinkage cracks.							
Collar		7	7								
Wingwalls		7	7	Tapered.							
(Shape :)		1									
Cutoff Wall		N	N								
Bevel End		8	8	Lower 1/2 not rated.							
Heaving (mm)	Heaving (mm) 0										
nvert Above/Below Stream Bed BELOW											
Above/Below (mm)	1200										
Scour Protection	Scour Protection										
(Type : RIP RAP)				-							
(Avg. Rock Size(mm) : 600)											
Scour/Erosion			8								
Beavers (Y/N)	Beavers (Y/N) No										
Downstream End General Ratin	ng	7	6								
		S	Structu	re Usage							
			Now	Explanation of Condition							
Channel (U/S and D/S)											
Alignment			7								
Bank Stability			8								
HWM (m below Top of Culvert) 1.0				Drift on banksJul, 2011							
Drift (Y/N) No											
Channel Bottom Degrading/Aggrading				Stable							
Beavers (Y/N) No											
(Fish Compensation Measure 1 :	NONE)										
(Fish Compensation Measure 2 : NONE)											
Channel General Rating			7								

Maintenance Recommendations												
Inspector Recommendations		Year	Inspector Comme	nts		Department Com	ments	Target Year	Est. Cost	Cat #		
SHOTCRETE REPAIRS												
PLACE ADDITIONAL RIP RAP												
REMOVE DRIFT ACCUMULATION												
INSTALL CONCRETE/STEEL LINING												
INSTALL STRUTS												
INSTALL CONCRETE COLLAR/CUTC)FF											
REPAIR SEAMS												
OTHER ACTION		2013	Patch ACP over pipe.									
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No(%)	ow)	55.6/77.	B Sufficier (%)	Sufficiency Rating (Last/Now) (%)		6.3/74.9	Est. Repl. Yr 2046		Maint. Reqd. (Y/N)		Yes	
Special Comments for Next Inspection				Department Comments								
Maintenance Reviewed By						Date		E	Estimated Tota	0		
Proposed Long-Term Strategy												
On 3-Year Program (Y/N)												
Proposed Action												
Previous Inspector's Name	Kris Bosters Pre				Previous /	ous Assistant's Name						
Next Inspection Date		16-Jan-2015 Pre				us Inspection Date 06-Jul-2011						
Inspection Cycle (Default) (months)												
Comment												