					Bridge	e Culve	ert Insp	ection					
Bridge File Nun	nber	77421 -	ESTLOCK RIBUTARY TO WABASH 11.84.17.7, WATERCRS 4:00 C1 62.863 W SEC 21 TWP 59 RGE 13:51:03, 54:07:21 berta Transportation (AI MA10 I.5 / 890 / 2012 (A) AU-211.8-110 ion 2 Span Ris - 16 - 16 nt dest r/w. 1 wire crossing				Form 7	Form Type		CULM			
Year Built		1971					Lot No			2			
Bridge or Town	Name	WESTL	OCK				Inspec	tor Name		Todd Warshav	wski		
Located Over		TRIBU7	TARY TO WAE	BASH CRE	EK,			tor Class		BR CLS B			
Located On				.010-01				ant Name					
Water Body Cl.							Assistant Class						
Navigabil. Cl./Y							· ·	tion Date		16-Apr-2013			
Legal Land Loc		NW SE	C 21 TWP 59	RGE 26 W	/4M			Data Entry By Theresa Lacusta					
Longitude, Latit								Data Entry Date 22-Apr-2013					
Road Authority			•	n (AIT)				ver Name	!	Eric Carcoux			
Contract Main.		CMA10		. ()			Reviev			21-Apr-2013			
Clear Roadway		11.5 /					·			Brent Herrick			
AADT/Year 3,890 / 2012 (A)					· ·	Review Da	ate	23-Apr-2013					
Road Classifica			. ,				Follow	-ор ву					
Detour Length		8											
Bridge Culvert		ation											
Number of Culv	erts		2										
Pipe #	Barrel		Span Rise (or Dia.) Type			Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1	MAIN		-	1600		MP		36.1		125X26	2.8	ROUND	
2	MAIN		- 1600 - 1600			MP		36.1		125X26	2.8	ROUND	
2 MAIN - 1600 Special Features													
Special Feature	es Comn	nent											
Living Asset					Uti	lities (L	ocated.	at)					
Utilities (Located at) Utility Attachments Telephone East r/w. Gas Pipeline West & crossing 20m North.													
Telephone	East r/					Gas		Pipelii	ne West & cros	sing 20m Nort	n.		
Power	1 wire West r/w. 1 wire crossing hwy o pipe. 2 wires crosses hwy 50m North.					utn	Munici		N1-				
Others		e. 2 wires crosses tiwy som from.					Proble	m (Y/N)	No				
Remarks	Tagge	d on u/s	crown of N pi	pe.									
				Α	pproac	h Roac	l / Emb	ankment					
					Last	Now	Explar	nation of	Condi	tion			
Horizontal Align	ment				7	7		North & South ditch of LR & Hwy 44. Intersection of Hwy 44 & T					
Vertical Alignme	ent				9	9	594.	594.					
Roadway Width	n (m)		15.300				15.3m with accel/decel I Crack in ACP over Sout						
Embankment					8	8							
Sideslope (_:1)		5.0										
(Height of Co	ver(m):	0.7)											
Guardrail (Y/N)			No										
Approach Roa	d / Emb	ankme	nt General Ra	iting	7	7							
						Upstre	am End						
Culvert Compo	nent					Now	1	nation of	Condi	tion			
(Pipe # : 1, Sp	an Type	: Prima	ry Span)										
Direction					Е		North p	oipe.					
End Treatment (Concrete, Steel, STEEL Others, None)						•							
Headwall					Х	Х							
Collar			Х	Х									

			Upstream End					
Culvert Component			Now	Explanation of Condition				
(Pipe #: 1, Span Type: Primary	/ Span)							
Wingwalls		Х	X					
(Shape:)								
Cutoff Wall		X	X					
Bevel End		8	N	Snow covered				
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	100							
Scour Protection		8	8	Not much rock, well grassed.				
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 300)								
Scour/Erosion		8	8					
Beavers (Y/N)	No							
Upstream End General Rating		8	8					
		Brid	dae Cu	lvert Barrel				
Culvert Component		1	Now	Explanation of Condition				
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN. Spa			, Rise (mm): 1600, Type: MP)				
Barrel Last Accessible Date	06-Jul-2011		,	Unstable ice. Viewed from ends, shape and condition appear ok.				
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		7	N					
Measured Rise (mm)	1522			U/S barrel.				
Measured At Ring No.								
Sag (mm)	78							
Percent Sag	5							
Sidewall		7	N					
Measured Span (mm)	1646			U/S barrel.				
Measured At Ring No.								
Deflection (mm)	46							
Percent Deflection	3							
Floor		7	N					
Bulge (mm)	0							
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		8	N					
Separation (mm) 10								
Longitudinal Seams		Х	Х					
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)								

		Bric	ge Cu	Ivert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe #: 1, Primary Span, Locat	tion Code: MAIN, Spa	n (mm):	, Rise (mm): 1600, Type: MP)
Coating		6	N	
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			
Camber POS/ZERO/NEG	NEG			
Ponding (Y/N)	No			
Fish Passage Adequacy		Х	Х	
Baffle		Х	Х	
(Type:)				
Waterway Adequacy		8	8	
Icing (Y/N)	No			
Silting (Y/N)	No			
Drift (Y/N)	No			
Barrel General Rating		7	N	GR was 7 from July, 2011
Culvert Component		1		Explanation of Condition
(Pipe # : 1, Span Type: Primary	(Snan)	Lasi	INOW	Explanation of Condition
	Эрап)	10/		Manufa a la a
Direction		W		North pipe.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	X	
Collar		Х	X	
Wingwalls		X	X	
(Shape:)				
Cutoff Wall		Х	Х	
Bevel End		8	N	Snow covered
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	300			
Scour Protection		8	8	
(Type : RIP RAP)				
(Avg. Rock Size(mm) : 200)				
Scour/Erosion		8	8	
Beavers (Y/N)	No			
Downstream End General Rating		8	8	
			Upstre	am End
Culvert Component				
(Pipe # : 2, Span Type: Secondary Span)				
Direction		E		South pipe.
End Treatment (Concrete, Steel, Others, None)	STEEL			
Headwall		Х	Х	
Collar		Х	Х	

			Upstream End					
Culvert Component			Now	Explanation of Condition				
(Pipe # : 2, Span Type: Second	lary Span)							
Wingwalls		Х	Х					
(Shape:)								
Cutoff Wall		X	X					
Bevel End		8	N	Snow covered				
Heaving (mm)	0							
Invert Above/Below Stream Bed	BELOW							
Above/Below (mm)	300							
Scour Protection		8	8					
(Type : RIP RAP)								
(Avg. Rock Size(mm) : 300)								
Scour/Erosion		8	8					
Beavers (Y/N)	No							
Upstream End General Rating		8	8					
		Brid	dae Cu	lvert Barrel				
Culvert Component			Now	Explanation of Condition				
(Pipe # : 2, Secondary Span, Lo	cation Code: MAIN. S			, Rise (mm): 1600, Type: MP)				
Barrel Last Accessible Date	06-Jul-2011		, -	Unstable ice. Viewed from ends, shape and condition appear ok.				
Special Features								
Special Feature								
(Type:)								
Special Feature								
(Type:)								
Roof		8	N					
Measured Rise (mm)	1561			near cl				
Measured At Ring No.								
Sag (mm)	39							
Percent Sag	2							
Sidewall		8	N					
Measured Span (mm)	1624			near cl				
Measured At Ring No.								
Deflection (mm)	24							
Percent Deflection	2							
Floor		7	N					
Bulge (mm)	0							
Measured At Ring No.								
Abrasion (Y/N)	No							
Circumferential Seams		7	N	Minor tear near c/lJUl, 2011				
Separation (mm)	50							
Longitudinal Seams		Х	Х					
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)								

Bridge Culvert Barrel										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe #: 2, Secondary Span, Lo	cation Code: MAIN, S	pan (n	nm):	, Rise (mm): 1600, Type: MP)						
Coating		6	N	Superficial rust, 1/3 riseJuly, 2011						
Corrosion By Soil (Y/N)	No									
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									
Fish Passage Adequacy		Х	Х							
Baffle		Х	Х							
(Type:)										
Waterway Adequacy		8	8							
Icing (Y/N)	No									
Silting (Y/N)	No									
Drift (Y/N)	No									
Barrel General Rating		8	N	GR was "8' from July, 2011						
		1		ream End						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 2, Span Type: Second	ary Span)									
Direction		W		South pipe.						
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		Х	X							
Collar		Х	X							
Wingwalls		X	X							
(Shape:)										
Cutoff Wall		Х	X							
Bevel End		8	N	Snow covered						
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	200									
Scour Protection		8	8							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 200)										
Scour/Erosion		8	8							
Beavers (Y/N)	No									
Downstream End General Rating		8	8							
		S	tructu	re Usage						
			Now	Explanation of Condition						
Channel (U/S and D/S)										
Alignment		8	8							
Bank Stability		8	8							
HWM (m below Top of Culvert)				HWM not visible.						
Drift (Y/N)	No									

Structure Usage									
		Last	Now	Explanation of Condition					
Channel Bottom Degrading/Aggrading				stable					
Beavers (Y/N) No									
(Fish Compensation Measure 1 :	(Fish Compensation Measure 1 : NONE)								
(Fish Compensation Measure 2 :	NONE)								
Channel General Rating			8						

77421 -1 Bridge Culvert

			Maintenanc	e Recommend	lations					
Inspector Recommendations	Year	Inspecto	or Comments		Department Com	ments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS										
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION										
INSTALL CONCRETE/STEEL LINING	i									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUT	OFF									
REPAIR SEAMS										
OTHER ACTION	2013	Seal cra	ick in ACP over South p	ipe.						
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/N (%)	ow) 77.8/	55.6	Sufficiency Rating (L (%)	.ast/Now)	81.3/69.3	Est. Repl. Yr	2056	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		E	Estimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Kris Bosters			Previous	Previous Assistant's Name					
Next Inspection Date	16-Jan-2015			Previous	Inspection Date	06-Jul-2011				
Inspection Cycle (Default) (months)	21									
Comment										