Bridge Culvert Inspection													
Bridge File Num	Number 77420 -1 Bridge Culvert						Form Type		CULM				
Year Built	Built 1971						Lot No.		2				
Bridge or Town	or Town Name WESTLOCK						Inspector Name		Todd Warshawski				
Located Over TRIBUTARY TO WABASH CRE				EK,		Inspector Class			BR CLS B				
0.11.04.17.7, WATERCRS-ST						Assistant Name							
Located On 44:00 CT 62.628						Assistant Class							
Navigabil CL/Xc							Inspection Date			16-Apr-2013			
					414		Data Er	Data Entry By Theresa Lacusta					
Legal Land Location INV SEC 21 1VF 39 KGE 20 W2				4111		Data Er	ntry Date		22-Apr-2013				
Poad Authority Alborta Transportation (AIT)						Reviewer Name Eric Carcoux							
Contract Main Area CMA10						Review Date			21-Apr-2013				
Clear Poadway/Skew 11.5 /						Dept. R	Dept. Reviewer Name Brent Herrick						
AADT/Year	3	890 / 2	2012 (A)				Dept. Review Date			23-Apr-2013			
Road Classificat	tion R	AU-21	1 8-110				Follow-Up By						
Detour Length (	km) 8	1021	1.0 110										
Bridge Culvert	Informati	ion					1						
Number of Culve	erts		2										
Pipe #	Barrel	Span Rise (or I			Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape	
1 [	MAIN		-	1600		MP		30		125X26	2.8	ROUND	
2 1	MAIN		-	1600		MP		30		125X26	2.8	ROUND	
Special Features	s												
Special Features	s Comme	ent											
								0					
	ata				Uti	ilities (L	ocated	at)					
							Cas	14/					
Telephone	East r/w.	//w.					Gas	VV	est r	7W.			
Power Othoro						Broblog		<u> </u>					
Pomarka S pipe tagged on u/s crown								5					
Remarks		iggeu		Δn	nroa	ch Road	l / Emba	nkment					
Last Nov						Now	Explan	ation of Co	ndit	ion			
Horizontal Alignment					7	7	Curve to	o the south.	Fiel	d entrance 20n	n SE.		
Vertical Alignme	ent				9	9							
Roadway Width	(m)		11.500		Wide crack in ACP over North pipe.								
						•							
Embankment			0.0		8	8							
Sidesiope (:	(1)	0)	6.0										
(Height of Cov	ver(m) : <b>U.</b>	.8)	No										
Guardian (1/N)			INU										
Approach Road	d / Embar	nkmer	nt General Rati	ing	7	7							
						Upstrea	am End						
Culvert Compo	nent				Last	Now	Explana	ation of Co	ndit	ion			
(Pipe # : 1, Span Type: Secondary Span)													
Direction			E		South pipe.								
End Treatment ( Others, None)	Concrete	, Stee	I, STEEL										
Headwall					Х	Х							
Collar					Х	Х							
Wingwalls					Х	Х							
(Shape : )													

			Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Span Type: Second	lary Span)			
Cutoff Wall		X	X	
Bevel End		7	N	Snow covered
Heaving (mm)	0			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection			N	Fillcrete lined inlet channel. Cracked. Bevel end detached from
(Type : <b>RIP RAP</b> )				fillcrete by 75mm.
(Avg. Rock Size(mm) : <b>300</b> )				Snow covered
Scour/Erosion		6	N	
Beavers (Y/N)	No			
Upstream End General Rating	1	5	5	GR carried fwd from July, 2011
		Bri	dge Cu	vert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 1, Secondary Span, Lo	cation Code: MAIN, S	Span (ı	nm):	, 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	At c/l.
Measured Rise (mm)	1580			
Measured At Ring No.				
Sag (mm)	20			
Percent Sag	1			
Sidewall	1	8	N	At c/l.
Measured Span (mm)	1589			Inward deflectionJuly,2011
Measured At Ring No.				
Deflection (mm)	11			
Percent Deflection				
Floor		8	N	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	N	
Separation (mm)	30		_	
Longitudinal Seams		Х	X	
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		5	Ν	0.5m under strip along invertJuly, 2011
Corrosion By Soil (Y/N)	No			
Corrosion By Water (Y/N)	Yes			

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Secondary Span, Lo	cation Code: MAIN,	Span (r	nm):	, Rise (mm): 1600, Type: MP)						
Camber POS/ZERO/NEG	NEG									
Ponding (Y/N)	No									
Fish Passage Adequacy		X	X							
Baffle		Х	Х							
(Туре : )										
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						
		D	ownstr	ream End						
Culvert Component	 	Last	Now	Explanation of Condition						
(Pipe # : 1, Span Type: Second	ary Span)									
		W		South pipe.						
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		X	X							
Collar		X	X							
Wingwalls		X	X							
(Shape : )										
Cutoff Wall		X	X							
Bevel End	1	7	N							
Heaving (mm)	0									
Invert Above/Below Stream Bed				-						
Above/Below (mm)	0									
Scour Protection		8	N							
(Type : RIP RAP)				-						
(Avg. Rock Size(mm) : <b>300</b> )										
Scour/Erosion		8	N							
Beavers (Y/N)	No									
Downstream End General Ratio	ng	7	7	GR carried fwd from July, 2011						
			Upstre	am End						
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 2, Span Type: Primary	/ Span)									
Direction		E		North pipe.						
End Treatment (Concrete, Steel, Others, None)	STEEL			Snow covered						
Headwall		Х	X							
Collar		Х	X							
Wingwalls		X	X							
(Shape : )										
Cutoff Wall		Х	Х							

	l.	1	Upstre	am End
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Span Type: Primary	/ Span)			
Bevel End		5	N	
Heaving (mm)	100			
Invert Above/Below Stream Bed	BELOW			
Above/Below (mm)	200			
Scour Protection		4	N	Fillcrete lined inlet channel. Fillcrete cracked. Bevel end detached
(Type : <b>RIP RAP</b> )				from fillcrete. Approx 200mm gap under bevel. This is potential scour
(Avg. Rock Size(mm) : 300)				
Scour/Erosion		5	N	
Beavers (Y/N)	No			
Unstream End General Rating	1	4	4	GR carried fwd from Jul 2011
			-	
		Bri	dge Cu	lvert Barrel
Culvert Component		Last	Now	Explanation of Condition
(Pipe # : 2, Primary Span, Loca	tion Code: MAIN, Spa	ın (mn	ו):	, Rise (mm): 1600, Type: MP)
Barrel Last Accessible Date	06-Jul-2011			Unstable ice
				Viewed from ends, shape and vondition appear ok.
Special Features				
Special Feature				-
(Type : )		1		-
Special Feature				-
(Туре : )				
Roof		8	N	
Measured Rise (mm)	1584			At c/l.
Measured At Ring No.				_
Sag (mm)	16			_
Percent Sag	0			
Sidewall		8	N	
Measured Span (mm)	1600			At c/l.
Measured At Ring No.				
Deflection (mm)	0			
Percent Deflection	0			
Floor		8	N	
Bulge (mm)	0			
Measured At Ring No.				
Abrasion (Y/N)	No			
Circumferential Seams		7	N	
Separation (mm)	30			
Longitudinal Seams		X	X	
Total No. of Cracked Rings			Λ	
Total No. of Pings with Two				-
Cracked Seams				
Min. Remaining Steel Between Cracks (mm)				
Proper Lap (Y/N)				
Longitudinal Stagger (Y/N)				
Coating		7	N	
Corrosion By Soil (Y/N)	No			1
Corrosion By Water (Y/N)	Yes			1
	NEG			
Gamber 1 00/2ERO/NEG				

Bridge Inspection & Maintenance System (Web 2005)

Bridge Culvert Barrel									
Culvert Component			Now	Explanation of Condition					
(Pipe # : 2, Primary Span, Loca	tion Code: MAIN, Spa	n (mm	):	, Rise (mm): 1600, Type: MP)					
Ponding (Y/N)	No								
Fish Passage Adequacy		Х	X						
Baffle		X	Х						
(Туре : )									
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.					
		D	ownsti	ream End					
Culvert Component		Last	Now	Explanation of Condition					
(Pipe # : 2, Span Type: Primary	/ Span)								
Direction		W		North pipe.					
End Treatment (Concrete, Steel, Others, None)	STEEL			Snow covered					
Headwall		Х	X						
Collar			X						
Wingwalls		Х	Х						
(Shape : )									
Cutoff Wall		X	X						
Bevel End		7	N						
Heaving (mm)	0								
Invert Above/Below Stream Bed									
Above/Below (mm)	0								
Scour Protection		8	N						
(Type : <b>RIP RAP</b> )									
(Avg. Rock Size(mm) : 300)									
Scour/Erosion		8	N						
Beavers (Y/N)	No								
Downstream End General Ratin	ng	8	8	GR carried fwd from July, 2011					
		S	structu	re Usage					
		Last	Now	Explanation of Condition					
Channel (U/S and D/S)		1	1						
Alignment			5	U/S end @ 90 degree angle to ditch.					
Bank Stability		8	8						
HWM (m below Top of Culvert)				HWM not visible.					
Drift (Y/N)	No								
Channel Bottom Degrading/Aggrading				Stable.					
Beavers (Y/N)	No								
(Fish Compensation Measure 1 :	NONE)								
(Fish Compensation Measure 2 :	NONE)								
<b>Channel General Rating</b>		5	5						

77420 -1 Bridge Culvert

Maintenance Recommendations												
Inspector Recommendations		Year	Inspector Comments		Department Comr		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	Seal cracks in ACP									
OTHER ACTION												
OTHER ACTION												
OTHER ACTION												
Structural Condition Rating (Last/No. (%)	ow)	88.9/55.	6 Sufficiency Rating (Last/Now (%)	v) 7	9.4/61.4	Est. Repl. Yr	st. Repl. Yr 2056		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	Kris Bo	sters	Pre	evious A	s Assistant's Name							
Next Inspection Date 16		-2015	Pre	evious Ir	Inspection Date 06-Jul-2011							
Inspection Cycle (Default) (months) 2												
Comment												