					Bridg	ge Culve	ert Inspe								
Bridge File Number 74722 -2 Bridge Culvert								Form Type		CUL1					
Year Built		2002					Lot No.			1					
Bridge or Towr			IODTI		Inspector Name		Wade Nanninga								
Located Over				HEWAN RIVER, 6.142.1,			Inspector Class		BR CLS A						
		WATER	RCRS-ST				Assistant Name								
Located On		22:30 (C1 10.397	1 10.397			Assistant Class Inspection Date		10.0 1.0011						
Water Body CI	./Year						<u> </u>			18-Oct-2011					
Navigabil. Cl./	Year						Data E			Theresa Lacusta					
Legal Land Loc	cation	SE SE	C 5 TWP 49 RG	E 7 W5M				ntry Date		25-Oct-2011					
Longitude, Lati	itude	-114:59	9:20, 53:11:43			Reviewer Name Review Date		Eric Carcoux							
Road Authority			a Transportation (AIT)							25-Oct-2011					
Contract Main.	Area					Dept. Reviewer Name									
Clear Roadway	y/Skew	11.4 / 1	11 deg. (RHF)				Dept. Review Date		26-Oct-2011						
AADT/Year		6,540 /	2010 (A)				Follow-Up By								
Road Classific	ation	RAU-2	11.8-110				_								
Detour Length		3													
Bridge Culver		nation													
Number of Cul			1	1						I	I				
Pipe #	Barrel		Span	Rise (or	Dia.)	Туре		Length		Corr. Profile	PI./Slab Thickness	Shape			
1	MAIN		-	3050		SP		96.317		152X51	3.0	ROUND			
Special Featur	es														
Special Featur	es Com	ment													
					H	ilities (l	_ocated	at)							
Litility Attachmo	ents				Οί	ilius (L	_ocated	at)							
		r/w					Gas								
Utility Attachments Telephone South r/w. Power 4 lines OH South r/w. Others Tag @ North end. Remarks						Municip	nal								
Others Tag @ North end								n (Y/N)	No						
	13.9						1	(. , ,	1110						
				A	pproa	ch Road	d / Emba	ankment							
					Last	Now	Explan	ation of	Condi	tion					
Horizontal Alig	nment				6	6	Near m	ajor inter	section	n. Private acces	s 100m East.	O			
Vertical Alignm	nent				6	6	Accelei	ration lan	e to vv	est with limited	sight distance. (crade to vvest.			
Roadway Widt	h (m)		11.400												
Embankment					6	5	Large s	slide (20m	n x 15r	n) North emban	kment over pipe) .			
Sideslope (_	_:1)		3.0												
(Height of Co	over(m)	: 9.5)													
Guardrail (Y/N))		Yes				One se	ction alor	ng Sou	ıth rail torn. Min	or creasing, but	still functional.			
Approach Roa	ad / Eml	bankme	ent General Rat	ing	6	3									
						Upstre	am End								
Culvert Comp	onent				Last			ation of	Condi	tion					
Direction					N										
End Treatment Others, None)	t (Concr	ete, Stee	el, CONCRETE												
Headwall					9	9									
Collar	Collar			9	N	Covere	d with silt	t.							
Wingwalls					Х	X									
(Shape:)														
Cutoff Wall					N	N									
Jaton Wan				'\	.,										

74722 -2 Bridge Culvert

Upstream End										
Culvert Component		Last	Now	Explanation of Condition						
Bevel End		8	8							
Heaving (mm)	0									
Invert Above/Below Stream Bed	BELOW									
Above/Below (mm)	750									
Scour Protection		8	8							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion		8	8							
Decrease (M/N)				@ inlet						
Beavers (Y/N)	Yes									
Upstream End General Rating			8							
		D.:	lus Ou	North David						
Culvert Component		Last	Explanation of Condition							
(Pipe # : 1, Primary Span, Loca	tion Code: MAIN Sna		Now	, Rise (mm): 3050, Type: SP)						
Barrel Last Accessible Date	18-Oct-2011		· /·	Silt/gravel 2m from crown						
Darrei Last Accessible Date	10-001-2011			Oliv graver 2111 Horri Crown						
Special Features										
Special Feature										
(Type:)			_							
Special Feature										
(Type:)										
Roof		N	5							
Measured Rise (mm)										
Measured At Ring No.										
Sag (mm)				est						
Percent Sag 5										
Sidewall		N	5							
Measured Span (mm)	3200			5m from u/s end						
Measured At Ring No.										
Deflection (mm)	150									
Percent Deflection	5									
Floor		N	N	Covered with gravel & silt.						
Bulge (mm)	0									
Measured At Ring No.										
Abrasion (Y/N)	No									
Circumferential Seams		N	7							
Separation (mm)	0									
Longitudinal Seams		N	7	Lawar 4/2 matukakla						
Total No. of Cracked Rings	0			Lower 1/3 not visible						
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		7	7							
Corrosion By Soil (Y/N)	Yes									
Corrosion By Water (Y/N)	Yes									
Camber POS/ZERO/NEG	ZERO									
Ponding (Y/N)	No									

Bridge Culvert Barrel										
Culvert Component		Last	Now	Explanation of Condition						
(Pipe # : 1, Primary Span, Location Code: MAIN, Span (mm): , Rise (mm): 3050, Type: SP)										
Fish Passage Adequacy		7	5	Large amount of silt - dam at opening.						
Baffle		N N		Buried under gravel & silt.						
(Type : SPOILER)				(Minor drift caught by baffles. 27/June/2006)						
Waterway Adequacy		7	4							
Icing (Y/N) No				1M						
Silting (Y/N)	Yes									
Drift (Y/N)	Drift (Y/N) Yes									
Barrel General Rating			5							
Downstream End										
Culvert Component		Last	Now	Explanation of Condition						
Direction										
End Treatment (Concrete, Steel, Others, None)	STEEL									
Headwall		Х	Х							
Collar		Х	X							
Wingwalls			X							
(Shape:)										
Cutoff Wall		X	X							
Bevel End			8							
Heaving (mm)	200									
Invert Above/Below Stream Bed BELOW										
Above/Below (mm) 750										
Scour Protection			8							
(Type : RIP RAP)										
(Avg. Rock Size(mm) : 300)										
Scour/Erosion			8							
Beavers (Y/N)	Yes									
Downstream End General Rating			8							
		S	tructur	re Usage						
		Last	Now	Explanation of Condition						
Channel (U/S and D/S)			1							
Alignment			7							
Bank Stability			7							
HWM (m below Top of Culvert) 0.1				05-Nov-2009 Drift across crown of U/S bevel. at u/s						
Drift (Y/N) Yes										
Channel Bottom AGGRADING Degrading/Aggrading										
Beavers (Y/N) Yes										
(Fish Compensation Measure 1 :	NONE)									
(Fish Compensation Measure 2 :	NONE)									
Channel General Rating			7							

			Maintenance Re	commend	ations					
Inspector Recommendations	Year	Inspector	Comments	Commone	Department Con	nments		Target Year	Est. Cost	Cat #
SHOTCRETE REPAIRS								3		
PLACE ADDITIONAL RIP RAP										
REMOVE DRIFT ACCUMULATION		At inlet								
INSTALL CONCRETE/STEEL LININ	G									
INSTALL STRUTS										
INSTALL CONCRETE COLLAR/CUT	OFF									
REPAIR SEAMS										
OTHER ACTION	2011	Repair N e	embankment slide							
OTHER ACTION										
OTHER ACTION										
OTHER ACTION										
Structural Condition Rating (Last/I	Now) 55.6/5		Sufficiency Rating (Last/N%)	Now)	64.8/43.0	Est. Repl. Yr	2054	Maint. Re	qd. (Y/N)	Yes
Special Comments for Next Inspection					Department Comments					
Maintenance Reviewed By					Date		I	Estimated Tota	I 0	
Proposed Long-Term Strategy										
On 3-Year Program (Y/N)										
Proposed Action										
Previous Inspector's Name	Kris Bosters			Previous	Assistant's Name	Sara Wadlow	ı			
Next Inspection Date	18-Jul-2013			Previous	nspection Date	05-Nov-2009				
Inspection Cycle (Default) (months)	21									
Comment										