							Bridae	Insp	ection							
Bridge File Number 76350 -1 Bridge						711.00		Form Type			ТН					
Year Built/Year 1927/1927						t No.			2							
Supstr								Ins	spector I	Name		Owen Salava				
Bridge or Town Name RICINUS						Ins	spector (			BR CLS A						
Located Over		CLEAR	WATER R	IVER,	6.159, \	WATE	RCRS	S- As	Assistant Name			DIX OLO //				
Located On		-	C1 19.145	<u> </u>				As	sistant (	Class						
Water Body Cl./	Year	701.11	01 10.110	<u>'                                      </u>				Ins	spection	Date		30-Nov-2010	)			
Navigabil. Cl./Ye								Da	ıta Entry	′ Ву		Marcia Chavez				
Legal Land Loca		SW SE	C 4 TWP 3	35 RGE	9 W5N	Л		Da	ıta Entry	Date		28-Feb-2011	1			
Longitude, Latitu			:22, 51:58					Re	viewer l	Name		John O'Brier	า			
Road Authority			Transport		(T)			Re	view Da	ate		22-Feb-2011	1			
Contract Main. A	Area	CMA18						De	pt. Revi	ewer N	Name	Chris Black				
Clear Roadway/		5 / 0 de						De	pt. Revi	ew Da	te	01-Mar-2011	1			
AADT/Year		90 / 200	·					Fo	llow-Up	Ву						
Road Classificat	ion	RCU-20														
Detour Length (F	km)	50														
Allowable Load (			29 OOR BEA	M	Sem		S 42 LOOR	BEAN	Л	Train		33 47 U3		> On Critic	al Spai lember	าร
Design Loading:		HS	20			'								> Primary	Span	
						Р	osting	Infor	mation							
Required Vert. C	Clearan	ce Posti	ng (m)													
Posted Vertical (	Cleara	nce (Y/N	)	Yes												
Posted: Lane	NB	On I	Bridge (m)	4.6	In Adv	/ance	(Y/N)	Yes	Lane	SB	С	n Bridge (m)	4.6	In Advance	(Y/N)	Yes
Remarks	Meas	ured 4.8	1m													
Required Load F	Posting	(t)		Single	)				Semi 42 Truck Train				Train	47		
Posted Loading	(t)			Single					Semi		42.0	Trucl	Train	47.0		
Posted:	Lane	NB		At Jur	ction (	Y/N)	Yes		In Adv	In Advance (Y/N)		Yes			Yes	
Posted:	Lane	SB		At Jur	ction (	Y/N)	No		In Advance (Y/N)			Yes	At Br	idge (Y/N)	Yes	
Remarks	Obscı	ured by \	egetation.													
Hazard Marker A	At Brid	ge (Y/N)	Yes													
Remarks			HM set	slightly	higher	than	standa	ard (40	00mm hi	igher).						
Other Sign Type	:S		Narrow	bridge	, should					raffic"	signs	in advance, ir	nfo			
						U	tilities	(Loc	ated at)							
Utility Attachmer	nts															
Telephone								Ga								
Power									ınicipal							
Others								Pr	oblem (\	//N)	No					
Remarks							Α		D							
						Lact	Appro		Road planation	on of (	ond:	tion				
Horizontal Alignr	ment					Last 5	5						llev C	amparound (	@ NI\//	
Vertical Alignme						5	5	Ov	Road winds down steep hills into valley. Campground @ NW. Overgrown veg. blocking signage. Curve to S with limited sight distance.					t		
Roadway Width						-										
Approach Bump						5	5									
Guardrail (Y/N) No					Po	tential d	langer	to pul	olic.							
Guardrail			Х	X			•	•								
Length (m)																
Current Standa	ard (Y/	N)	No													
Termination Ty			None													
Drainage						6	6									
Approach Road General Rating				5	5											

Superstructure									
Bridge Comp	onent					Explanation of Condition			
		ns, Lengths(m	n): 61, A-Ident		•				
Special Feat									
Special Feature					Х				
(Type:)									
Special Featu	ire				X				
(Type:)									
Wearing Surfa	ace/Deck Top	Detail Ratings	3						
	N (%)	1 (%)	2 (%)	3 (%)					
Last	5	0	0		4	Snow covered.			
Now	100.0	0.0	0.0	0	.0				
Wearing Surfa	ace/Deck Top			3	N	(Worn @ ends. 4% of planks rotten/worn to subdeck. 24Jun2010).			
(Material Ty	pe : UNTREA	TED TIMBER	)						
(Plank Thicl	kness(mm) : <b>7</b>	5)							
(Plank Widt	h(mm) : <b>300</b> )								
Deck Rideability					5				
Deck Joints					Х				
Temperatur	e (deg. C)	-5							
(Expansion	Type : )								
(Fixed Type	e:)								
Gap Size (n	nm)	Gap L	ocation						
Curbs/Wheel	Cuarda			4	N	(3 WG planks splintered. 10 blocks split/twisted. 24Jun2010).			
	: Standard)			4	I IN	100 x 300 x 450 TT blocks.			
	ATED TIMBE	:R)							
(Thickness(		-rv)							
(Width(mm)									
Bridge Rail				5	5	Dented at various locations but none broken.			
(Type : LAT	TICE)					1			
Bridge Rail Po				4	4	Truss members used as supports. (Missing 30% connections at btm			
(Type:)	<u> </u>				rail to truss. 24Jun2010).				
Bridge Rail/Po	osts Coating			4	4	20% paint failure. Dirty.			
(Type : PAI	NT)					Blue			
Sidewalk				Х	Х				

Superstructure										
Bridge Comp	onent			Last	Now Explanation of Condition					
(Primary Spar	(Primary Span: TH, 1 Spans, Lengths(m): 61, A-Ident Number: A0075-19)									
Wide Load Da	amage (Y/N)	No								
High Load Da	amage (Y/N)	Yes				1 open hole & 3 bullet holes.				
Top Chord					7	Missing bolt at U4W.				
Batter Posts				7	7	Lower top braces have high load damage.				
Sway Bracing	js			5	5	uarinage. (Minor nick at 4/5 height to member U112E. 24Jun2010). U9U9 has 25mm bend & 30x800mm				
Diagonals				7	7					
Verticals				4	4	dent.				
Portals				4	4	10 X 300 dent @ U8L8E. Near L8E. (Bullet holes in vertical U1L1W, U3L3W & U6L6E. 24Jun2010).				
Connections				5	5	(Headless rivets @ U1U2W, bolt missing U3U4W. 24Jun2010).				
Floor Beams				7	7	Minor bend to lower flange of L0L0 near L0E.				
Bottom Chord				4	4	L9L10W has 30mm overall bow & 12x300mm dent & L8L9E is bent				
(No. of String						- & dented. 8 - stl 310 X 125; 5 - stl 260 X 115.				
Stringer Detail						13/bay x 10 bays.				
Stringer Detai	N (count)	1 (count)	2 (count)	3 (cou	ınt)					
Last	14 (count)	i (count)	2 (count)	0 (000	4110)	-				
Now						-				
Stringers	ı			7	7	Jammed against S backwall.				
(Type : STE										
(Width(mm)						-				
(Depth(mm)	•					Gravel build-up along bottom chord, lower connections & bearings.				
(Spacing(m	· · · · · · · · · · · · · · · · · · ·									
(Opacing(iii	. 303)									
Paint Condition	on			4	4	Faded, 5% paint failure.				
(Colour Des	scription : <b>BLU</b>	IE)								
(Colour Cod	•									
`	equired (Y/N)	No								
Bearings		1.14		5	5	L10W RN - 65mm Exp, twisted 13mm				
Temperatur	re (deg. C)	-5				L10E RN - 25 Exp, twisted 14mm.				
	Type : <b>ROLL</b> I		ARING)			A1 at L10 S. A2 at L0 N.				
•	: PINNED BE		,							
Functioning		No								
Sub Deck/De		140		6	6	Wide colit at and a typical E0/				
		D TIMBED\		0	0	Wide split at ends, typical 5%.				
` `	/pe : TREATE									
,	kness(mm) : 1	00)								
`	th(mm) : <b>300</b> )	4								
Defects (Pe		1								
-	ent Problems									
Vertical (Y/I		No								
Horizontal (		No								
Superstructu	ure General R	ating		4	4					
					Subst	ructure				
Bridge Component L				Last	Now	Explanation of Condition				
Abutments										
	Backwall Piles	(Y/N) : <b>Y</b> )				2 - HP 310 x 94 corbels at each bearing on 2 300TT caps + 1				
	Backwall Piles		): 900)		common 300TT cap, 14 total 1 BW 300TT, 2 total. 4 BP 300TT / bearing, 16 total 9 BW 300TT / abut, 18 total 2 Ext 300TT / abut, 4 total 2 WW 300TT / abut, 4 total					

					Subsi	ructure
Bridge Comp	onent			Last	Now	Explanation of Condition
(Total Number of Caps/Corbels : 7:7)					111011	
Bearing Seats			ngs			
	N (count)	1 (count)	2 (count)	3 (co	unt)	
Last	0	0	0		0	NIM DIM can not begring CCIM rotation @ Abut 1 DIM can A1 DIM
Now	0	0	0		0	NW BW cap not bearing. CCW rotation @ Abut 1 BW cap. A1 BW cap @ E.end ext not bearing.
Bearing Seats	1			6	6	Ţ .
	EATED TIMBI					
(Depth(mm		/				
(Width(mm)	· · · · · · · · · · · · · · · · · · ·					
Backwalls/Bre	•			5	5	
Greatest He		2.80				
Wingwalls	J.g. ()			6	6	
viiigwano						
(Total Number	er of Bearing F	Piles : <b>8:8</b> )				
Piles Detail R	atings					
	N (count)	1 (count)	2 (count)	3 (co	unt)	
Last	0	0	0		0	
Now	0	0	0		0	
Piles				6	6	
Paint/Coating	1			X	X	
Abutment Stability				5	5	
Scour/Erosion					6	
Diago/Donto						
Piers/Bents						
(Type:)	1.0 /0					_
	er of Caps/Cor	·				_
Bearing Seats	N (count)			2 (22)	4\	_
Last	in (count)	1 (count)	2 (count)	3 (co	uni)	_
Now Boaring Soats	∟ s/Caps/Corbe	le.		X	X	_
	s/Caps/Corbe	10				
(Type:)	er of Bearing F	Piles · \				
Piles Detail R		1169.)				-
i iles Delali K	N (count)	1 (count)	2 (count)	3 (co	unt)	
Last	ra (count)	r (court)	Z (COUITI)	3 (60)	uiii)	
Now						
Pier Shaft/Pile	es			X	X	-
Greatest He						-
Bracing/Struts				Х	Х	
Nose Plate				X	X	
					X	
Paint/Coating (Colour Description : )						-
(Colour Cod						
Pier Stability	uu . <i>)</i>			Х	X	
Scour				X	X	
Debris (Y/N)		No				
, , ,						

		ructure						
Bridge Component L			Now	Explanation of Condition				
Substructure General Rating			5					
		G	truotuu	re Usage				
				Explanation of Condition				
Channel			111011	Z. plantation of containon				
(U/S Direction : W)								
(D/S Direction : E)								
Alignment		7	7					
Bank Stability			7					
HWM (m below Top of Curb)			1	HWM not visible. (High water has been up to bottom of stringer				
Drift (Y/N)	Yes			during recent flood in 2005.) Large drift in stream.				
Slope Protection		7	7					
(Type: RIP RAP; RIP RAP)								
Guidebank/Spurs		8	8					
Adequacy of Opening			5					
(Fish Compensation Measure 1 :	NONE)							
(Fish Compensation Measure 2 :	NONE)							
Channel General Rating		5	5					

		Maintenance Recommend	lations					
Inspector Recommendations	Year	Inspector Comments	Department Com	ments		Target Year	Est. Cost	Cat a
REPAIR/REPLACE BRIDGE RAIL	2011	Install missing btm lattice connection bolts.						
RETROFIT BRIDGE RAIL		_						
SEAL CURBS	2011	Replace 10 WG blocks. Replace 3 sections.						
PATCH DECK	2011	Replace 4% planks 6.0m lg.						
SEAL DECK								
OVERLAY DECK								
REPLACE STRIP DECK								
REPLACE SUB DECK								
RESET/ PAINT BEARINGS	2011	Replace with neoprene pads, trim stringers to allow for movement.						
REPAINT SUPERSTRUCTURE								
STRAIGHTEN/REPLACE MEMBERS	2011	Heat straighten U8L8E, L9L10W, L8L9E, U9U9 & lower members on top braces.	9					
WASHING	2011	Clean deck and bearings.						
SHOTCRETE REPAIRS								
CORE TIMBER CAPS/CORBELS								
REPAIR/REPLACE TIMBER CAPS								
REPAIR ABUTMENT SCOUR/EROSION								
PLACE ADDITIONAL RIP RAP								
REMOVE DRIFT ACCUMULATION								
OTHER ACTION	2011	Cutback vegetation @ N + S row near bridge + along advance signs.						
OTHER ACTION	2011	Add bolts at U4W & to top angle of U4U4.						
OTHER ACTION	2011	Install guardrails at N + S approaches.						
OTHER ACTION	2011	Install "Stop if oncoming traffic" signs in advance.						
OTHER ACTION	2011	Drill and fill bullet holes with bolts.						
OTHER ACTION	2011	Grind nick smooth at U1L2E.						
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/Now) (%)	50.0/50	.0 Sufficiency Rating (Last/Now) (%)	42.4/42.4	Est. Repl. Yr	2030	Maint. Re	qd. (Y/N)	Yes
	JT include	d as additional attachment.	Department Comments					
Maintenance Reviewed By			Date		E	stimated Total	0	

Bridge Inspection & Maintenance System (Web 2005)

Proposed Long-Term Strategy	2007.10.10 On Spot program for 2012.		
On 3-Year Program (Y/N)			
Proposed Action			
·			
Previous Inspector's Name	Owen Salava	Previous Assistant's Name	Bryce Clayton
Next Inspection Date	28-Feb-2014	Previous Inspection Date	24-Jun-2010
Inspection Cycle (Default) (months)	39		
Comment			