						Br	idge li	nspect	tion						
Bridge File Num	ber	13852 -1	Bridge				J	Form			SG PCS				
Year Built/Year		1966/196	66					Lot N	lo.		2				
Supstr								Inspector Name			Owen Salava				
Bridge or Town	Name			FF14 0 F4		T	000	Inspe	Inspector Class		BR CLS A				
Located Over		THREEHILLS CREEK, 3.50.2, ST				WATERCRS-			Assistant Name						
Located On		837:02 C1 4.569							Assistant Class						
Water Body CI./	Year	555 <u>2</u> 61 11000							ection D	ate		11-May-201	1		
Navigabil. Cl./Ye									Entry E	Зу		Marcia Cha	/ez		
Legal Land Loca		SE SEC	4 TWP 3	RGE 21	W4M	4M			Data Entry Date 25-May-2011						
Longitude, Latitu		-112:53:2	21, 51:31:	57				Revie	ewer Na	ame		John O'Brie	n		
Road Authority			ransporta)			Revie	ew Date)		17-May-201	1		
Contract Main. A	Area	CMA21	•					Dept.	Revie	wer Na	ame	Chris Black			
Clear Roadway/	Skew	8.2 / 25 (deg. (RHF	=)				Dept.	Revie	w Date	Э	27-May-201	1		
AADT/Year		340 / 20						Follo	w-Up B	У					
Road Classificat	ion	RCU-209	. ,												
Detour Length (F	km)	60													
Allowable Load (ngle			Semi				1	rain				> On Criti	cal Spans
														>Critical N	
Design Loading:		HS2	20				- ()		4:					> Primary	Span
Required Load F	Postino	ı (t)		Single		Pos	sting i	nforma	Semi				Truck Train		
Posted Loading		()		Single					Semi					k Train	
Posted:	Lane	NB		At Juncti	on (V/N	1)	No		n Adva	nca (V	//NI\	No			No
Posted:	Lane	SB		At Juncti			No.		n Adva			No	At Bridge (Y/N) At Bridge (Y/N)		No
Remarks	Lanc	00		At Julion	011 (1711	4 <i>)</i> 1	10		TAUVA	1100 (1	/11/	INO	At Di	iage (1/14)	110
Hazard Marker A	At Brid	ge (V/N)	Yes												
Remarks	At Dila	ge (1/1 1)		offline an	d 300m	nm to	o low	Loosa	at NIM						
Other Sign Type			00011111	Offinite an	ia 50011	1111 10)O 10 W.		ativv	•					
Outlot Olgit Type						Util	ities (I	Locate	d at)						
Utility Attachmer	nts T	ELEPHO	NE UTILI	ΓIES-PHC	NE LIN										
Telephone	West							Gas							
Power								Munio	cipal						
Others									em (Y/	N) N	10				
Remarks									,						
						Α	Approa	ach Ro	ad						
					La	ast	Now	Expla	anatior	of C	ondi	tion			
Horizontal Aligni	ment					6	6		e incre						
Vertical Alignme	nt					6	6	Curve	es both	sides	. Pas	ssing allowed	l .		
Roadway Width	(m)		10.000					25mn				المسالمة	ale!	. @ NUA/	
Approach Bump						4	4	Gap I	Gap between girders a		ers a	and backwall planks @ NW.			
Guardrail (Y/N)			Yes					Existi	ing end	s with	wro	ng lap.			
Guardrail						4	4								
Length (m)			11.600												
Current Standa	ard (Y/	N)	Yes												
Termination Ty	уре		TURN	OOWN EN	1D										
Drainage						5	5	No vi	sible co	oncerr	ıs du	ring rain.			
Approach Road	Gene	ral Ratin	a			6	6								
		. ar raum	3												

				,	Supers	tructure
Bridge Component	t			Last		Explanation of Condition
(Primary Span : RB,	, 3 Span	s, Lengths(n	n): 8.5-23.8-8.	5, A-Id	ent Nu	mber: A0511-01)
Special Features					_	
Special Feature					Х	
(Type:)						
Special Feature					Х	
(Type:)						
Wearing Surface/De	ck Top [Detail Ratings	}			
N (%)		1 (%)	2 (%)	3 (%)		
_	0	0	0		0	
Now 0	0.0	0.0	0.0	0	0.0	
Wearing Surface				5	5	
(Material Type : Co	ONCRE	TE - CONVE	NTIONAL CH	IP SEA	L	
COAT)						
(Thickness(mm) :	50)					
Deck Top				N	N	
Deck Rideability				7	7	
Deck Joints				5	5	Buffer angles are superfically corroded.
Temperature (deg	C)	17				Buffer angles are superfically corroded damage @ South pier - still functional.
(Expansion Type :	·					
(Fixed Type : BUF	•	IGI FS)				
Gap Size (mm) Gap Location						
North Pier						
50						
Deck Drainage				7	7	
Drains Clogged (Y	′/NI)	No			,	-
Curbs/Median	71.4)	110		6	6	
(Curb Type : Stand	dard)			0		
Scaling (Percent A		0				
Bridge Rail	uca)	U		7	7	- double layer
(Type : GALVANI	ZED ST	EEL ELEV DI	= A M \	1		Incorrectly spliced.
Bridge Rail Posts	ZED 311	LEL FLEX BI	_AIVI)	4	4	- CCA treated timber blocking. 2 blocks twisted. 3 post base plates not flush with curbs.
(Type : POST STE	EL .DO	ST STEEL \		4	4	o post suos piates not nuon with ourse.
Bridge Rail/Posts Co		JI SIEEL)		7	7	
(Type : GALVANI				1	,	-
	ZED)			V		
Sidewalk				X	X	
Girder/Beam						
Cover Plate				7	7	
Flange				7	7	
Web				7	7	
Stiffeners				7	7	
Splice				7	7	1
Weld				7	7	1
Diaphragms/Cross F	rame			7	7	
sp ag.iio, 01000 1						

					Supers	structure
Bridge Comp	onent			Last	Now	Explanation of Condition
(Primary Spa	n : RB, 3 Spa ı	ns, Lengths(n	n): 8.5-23.8-8.	mber: A0511-01)		
Paint Condition	on			5	5	Superficial rust, 10%.
(Colour Description :)						Orange.
(Colour Cod	de :)					
Touchup Required (Y/N) No						
Bearings			4	N	(Bearing interface pitted with added friction. Rated 4. 07May2009).	
Temperatur	e (deg. C)	17				
(Expansion PLATE IN I	Type : STEEL BETWEEN)	SLIDING PL	ATES WITH E	RONZ	Έ	
(Fixed Type	: PINNED BE	EARING)				
Coating Add	equate (Y/N)	No				
Functioning	(Y/N)	Yes				
Deck Undersi	de			7	7	
Stains (Per	cent Area)	0				
Span Alignm	ent Problems	3				
Vertical (Y/I	N)	No				
Horizontal (Y/N)	No				
Superstructu	ıre General R	ating		7	7	Bearing does not govern in this case.
				,	Supers	tructure
Bridge Comp	onent			Last		Explanation of Condition
(Secondary S	pan : SC)					
Special Feat	ures					
Special Featu	ire				X	
(Type:)						
Special Featu	ire				X	
(Type :)						
Wearing Surfa	ace/Deck Top	Detail Ratings	S			
	N (%)	1 (%)	2 (%)	3 (%)		
Last	0	0	0		0	
Now	0.0	0.0	0.0	0	0.0	
Wearing Surf	ace			X	5	(Narrow cracks @ grout @ connector pockets. 07May2009).
(Material Ty	pe : CONVEN	ITIONAL CHII	P SEAL COAT	Γ)		Surface depressions along girder lines.
(Thickness)	mm):)					
Lateral Conne (Y/N)	ection Problem	n Yes				
Deck Top				7	N	
Deck Rideability			8	8		
Deck Joints			Х	Х		
Bump (Y/N)		No				
Deck Drainag				3	3	Deck drains have no extensions allowing water access to underside
Drains Clog		No				both end spans. Water leaking between girders and onto girder bottoms.
Curbs/Mediar	1			8	8	
(Curb Type	: Standard)					
Scaling (Pe	rcent Area)	0				

					Supers	tructure				
Bridge Component					Explanation of Condition					
(Secondary Sp		·								
Bridge Rail				7	7					
(Type : GAL)	VANIZED ST	EEL FLEX B	EAM)	_		- CCA treated timber blocking.				
Bridge Rail Posts					7	- CCA treated timber blocking.				
(Type : POST STEEL;POST STEEL)										
Bridge Rail/Posts Coating					7					
(Type : GAL)										
Sidewalk			X	Х						
Girder Detail R		l								
	N (count)	1 (count)	2 (count)	3 (cou	unt)					
Last	0	0	0		0					
Now	0	0	0		0					
Girders				6	6	Minor rust spots and water stains.				
Last Complete	Inspection D	ate 11-Mag	y-2011							
Cracking (Y/N	N)	No				(Narrow cracks @ grout pockets @ connectors. 07May2009).				
Spalling (Per	cent Area)	0								
Lift or Connector Grouted (Y/N)	or Pocket	Yes								
(Number Of Gir	rders : 16)									
Span Alignme	nt Problems	3								
Vertical (Y/N))	No								
Horizontal (Y	Horizontal (Y/N) No									
Superstructur	e General R	ating		6	6					
					Subst	ructure				
Bridge Compo	onent			Last	Now	Explanation of Condition				
Abutments	<u> </u>	I			11011					
(Extended Ba	ackwall Piles	(Y/N) : Y)								
(Extended Ba		•): 2000)							
(Total Number			, , ,							
`		UCIS . 3.3)								
Bearing Seats/	Caps/Corbel		gs							
Bearing Seats/0	Caps/Corbels V (count)	s Detail Ratin		3 (cou	unt)					
	•		gs 2 (count) 0	3 (cou	unt)					
N	V (count)	s Detail Ratin 1 (count)	2 (count)							
Last	N (count) 0 0	s Detail Ratin 1 (count) 0 0	2 (count)		0					
Last Now	N (count) 0 0 (Caps/Corbel	s Detail Ratin 1 (count) 0 0	2 (count)		0					
Last Now Bearing Seats/	N (count) 0 0 (Caps/Corbel	s Detail Ratin 1 (count) 0 0	2 (count)		0					
Now Bearing Seats/ (Type : TREA	N (count) 0 0 Caps/Corbel ATED TIMBE 350)	s Detail Ratin 1 (count) 0 0	2 (count)		0					
Now Bearing Seats/(Type: TREA	N (count) 0 0 Caps/Corbel ATED TIMBE : 350) : 300)	s Detail Ratin 1 (count) 0 0	2 (count)		0					
Now Bearing Seats/ (Type : TREA (Depth(mm) : (Width(mm) :	N (count) 0 0 Caps/Corbel ATED TIMBE : 350) : 300) astwalls	s Detail Ratin 1 (count) 0 0	2 (count)	7	0 0 7					
Now Bearing Seats/(Type: TREA (Depth(mm): (Width(mm): Backwalls/Brea	N (count) 0 0 Caps/Corbel ATED TIMBE : 350) : 300) astwalls	s Detail Ratin 1 (count) 0 0 s	2 (count)	7	0 0 7					
Now Bearing Seats/ (Type : TREA (Depth(mm) : (Width(mm) : Backwalls/Brea Greatest Heig	N (count) 0 0 (Caps/Corbel ATED TIMBE : 350) : 300) astwalls ght (m)	s Detail Ratin 1 (count) 0 0 s ER)	2 (count)	7	0 0 7					
Last Now Bearing Seats/ (Type : TREA (Depth(mm) : (Width(mm) : Backwalls/Brea	N (count) 0 0 Caps/Corbel ATED TIMBE : 350) : 300) astwalls ght (m) of Bearing P	s Detail Ratin 1 (count) 0 0 s ER)	2 (count)	7	0 0 7					
Now Bearing Seats/ (Type: TREA (Depth(mm): (Width(mm): Backwalls/Brea Greatest Heig Wingwalls (Total Number Piles Detail Rate	N (count) 0 0 Caps/Corbel ATED TIMBE : 350) : 300) astwalls ght (m) of Bearing P	s Detail Ratin 1 (count) 0 0 s ER)	2 (count)	7	0 0 7 7 7 7					
Now Bearing Seats/ (Type: TREA (Depth(mm): (Width(mm): Backwalls/Brea Greatest Heig Wingwalls (Total Number Piles Detail Rate	N (count) 0 0 (Caps/Corbel ATED TIMBE : 350) : 300) astwalls ght (m) of Bearing P tings	s Detail Ratin 1 (count) 0 0 s ER) 1.90	2 (count) 0 0	7 7 7 3 (cou	0 0 7 7 7 7					
Now Bearing Seats/ (Type : TREA (Depth(mm) : (Width(mm) : Backwalls/Brea Greatest Heig Wingwalls (Total Number Piles Detail Rat	N (count) 0 0 Caps/Corbel ATED TIMBE : 350) : 300) astwalls ght (m) of Bearing P tings N (count)	s Detail Ratin 1 (count) 0 0 s ER) 1.90 iles: 7:7)	2 (count) 0 0	7 7 7 3 (cou	0 0 7 7 7	Narrow split @ NW - 2nd pile.				
Last Now Bearing Seats/ (Type : TREA (Depth(mm) : (Width(mm) : Backwalls/Brea Greatest Heig Wingwalls (Total Number Piles Detail Rat	N (count) 0 0 (Caps/Corbel ATED TIMBE : 350) : 300) astwalls ght (m) of Bearing P tings N (count) 0	s Detail Ratin 1 (count) 0 0 s ER) 1.90 iles: 7:7)	2 (count) 0 0	7 7 7 3 (cou	0 0 7 7 7 7 vint) 0	Narrow split @ NW - 2nd pile. Only tops at S visible.				
Now Bearing Seats/ (Type : TREA (Depth(mm) : (Width(mm) : Backwalls/Brea Greatest Heig Wingwalls (Total Number Piles Detail Rat Now	N (count) 0 0 (Caps/Corbel ATED TIMBE : 350) : 300) astwalls ght (m) of Bearing P tings N (count) 0	s Detail Ratin 1 (count) 0 0 s ER) 1.90 iles: 7:7)	2 (count) 0 0	7 7 7 3 (cou	0 0 7 7 7 2 10 0 0	Narrow split @ NW - 2nd pile. Only tops at S visible.				

				ructure					
Bridge Comp	onent			Last Now		Explanation of Condition			
Scour/Erosion	1			6	6				
Piers/Bents	D COLUMNI)					A C hairbh af aire			
	R-COLUMN)	h ala . 22-20\			4.6 height of pier. P1 10 caps, 12 corbels. P2 10 caps, 10 corbels.				
(Total Numbe			~~			- subcaps + spacer caps not fully seen. Corbels 300 X 300.			
Bearing Seats	N (count)	1 (count)		3 (co	unt\	Corbers 300 X 300.			
Last	10 0		2 (count)	3 (60)	0				
Now			-		0				
Now 10 0 0 Bearing Seats/Caps/Corbels 0 0 0					5				
	ATED TIMBE			5					
(Depth(mm)		-IV)							
(Width(mm)	·								
(Total Numbe		Pilos : 16:16)				Sheathed in.			
Piles Detail R		1103 . 10.10)				oneamed in.			
	N (count)	1 (count)	2 (count)	3 (co	unt)				
Last	32	0	0	3 (00)	0				
Now	32	0	0		0				
Pier Shaft/Pile				N	N				
Bracing/Struts				7	7				
Nose Plate				7	7				
Paint/Coating				4	4	Nose plate paint 25% failed.			
(Colour Des	cription:)					Colour:orange			
(Colour Cod	le :)								
Pier Stability				8	8	N. pier bows inward to stream in area of c/l est. 100 to 150 mm.			
Scour				7	7				
Debris (Y/N)		Yes				(Timber piles in streambed. 07May2009).			
Substructure	General Rat	ing		5	5				
					Structu	re Usage			
					Now	Explanation of Condition			
Channel									
(U/S Direction	n : W)					Curves both ends.			
(D/S Direction	n : E)								
Alignment				7	7				
Bank Stability				5	5				
HWM (m belo	w Top of Curb	o)				HWM not visible.			
Drift (Y/N)		No							
Slope Protect	ion			7	7				
(Type : NA 1	TURAL; NATU	JRAL)							
Guidebank/Spurs					X				
Adequacy of 0	Opening			8	8				
(Fish Comper	nsation Measu	re 1 : NONE)							
(Fish Comper									
Channel Gen		,		7	7				

		Maintenance Recommenda	ations					
Inspector Recommendations	Year	Inspector Comments	Department Com	ments		Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL	2011	Insert keepers into wood blocking to keep them from spinning.						
GALVANIZE/PAINT BRIDGE RAIL								
RETROFIT BRIDGE RAIL								
SEAL CURBS								
PATCH DECK								
SEAL DECK								
OVERLAY DECK								
REPAIR/REPLACE DECK JOINTS								
RESET/ PAINT BEARINGS	2011	Replace with neoprene pads.						
REPAINT SUPERSTRUCTURE								
STRAIGHTEN/REPLACE MEMBERS								
WASHING								
SHOTCRETE REPAIRS								
REPAIR ABUTMENT SCOUR/EROSIO	N							
PLACE ADDITIONAL RIP RAP								
REMOVE DRIFT ACCUMULATION								
OTHER ACTION	2011	Place hazard markers as per std.						
OTHER ACTION	2011	Extend deck drains below girders.						
OTHER ACTION	2011	Seal gap @ NW girders + backwall.						
OTHER ACTION	2011	Band pile @ NW.						
OTHER ACTION	2011	Relap exiting ends of guardrail.						
OTHER ACTION	2011	Remove old piles from streambed, if not yet done.						
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
OTHER ACTION								
Structural Condition Rating (Last/No (%)	w) 61.1/61.	.1 Sufficiency Rating (Last/Now) (%)	62.1/63.1	Est. Repl. Yr	2024	Maint. Red	qd. (Y/N)	Yes
Special Comments for Next Inspection			Department Comments			·		
Maintenance Reviewed By			Date		E	stimated Total	0	
Proposed Long-Term Strategy	Rehab in 2012,	, replace in 2060.KP						

On 3-Year Program (Y/N)			
Proposed Action			
Previous Inspector's Name	Randy Bredo	Previous Assistant's Name	Bryce Clayton
Next Inspection Date	11-Aug-2014	Previous Inspection Date	07-May-2009
Inspection Cycle (Default) (months)	39		
Comment			