Bridge Inspection																
Bridge File Num	ber	76339 W	-2 Bridge	)				Form Type				PSR				
Year Built/Year Supstr		1969/196	9					-	No.			2				
•	Bridge or Town Name CLOVERBAR 08								Inspector Name			Wade Nanninga				
Located Over RAMP 88-1 A;CPR									Inspector Class			BR CLS A				
Located On 16:18 L1 1.564									Assistant Name							
Water Body Cl./Year									Assistant Class							
Navigabil. Cl./Year									Inspection Date			21-Aug-2012				
Legal Land Location SW SEC 16 TWP 53 RGE 23 W						'A N A			Data Entry By			Theresa Lacusta				
Longitude, Latitude -113:20:01, 53:34:13						TIVI			Data Entry Date			28-Aug-2012				
Road Authority		rtation (AIT)					Reviewer Name			Eric Carcoux						
Contract Main. A	rea	CMA09	тапороти	20011 (711	• ,			-	view Da			22-Aug-2012				
Clear Roadway/		12.2 / -52	dea (Li									Brent Herrick				
AADT/Year	SKGW	47,380 / 2		, , , , , , , , , , , , , , , , , , ,					ot. Revi		te	30-Aug-2012	2			
Road Classificat	ion	RAD-412						Fol	low-Up	Ву						
Detour Length (k	-	1	.+ 120					-								
Allowable Load (			38		Semi		S2 49			Train	CS	□ 63 62		> On Critical Spans		
Allowable Load (	(1).	GIR			Joenn		02 43			ITAIII		0 02		> On Critical Spans		13
Design Loading:		HS2	0											> Primary	Span	
Required Vert. C	looron	aa Daatin	or (100)	LINDER	0.00.1		osting l	nforr	nation							
•			g (m)	UNDEF	K: 88-1	-A b.	om									
Posted Vertical (			:- \		اند ۸ مارد		()//NI)		1			un Duides (ma)	C F	Lin A di comon	/\//NI\	V
	NB	On Br	idge (m)		In Adv	ance	(Y/IN)		Lane	SB	Į O	n Bridge (m)	6.5	In Advance	(Y/IN)	Yes
Remarks	\ 4 <sup>1</sup>	(1)		0: 1												
Required Load F		(t)		1	Single				Semi				Truck Train			
Posted Loading		 		Single				Semi						uck Train		
Posted:	Lane	EB		At June				In Advance (Y/N)				At Bridge (Y/N)				
Posted:	Lane	WB		At Junc	tion (Y	(/N)	No		In Advance (Y/N)			No At Bridge (Y/N) N			No	
		quired.														
Hazard Marker A	At Brido	ge (Y/N)	No													
Remarks			Not re	•												
Other Sign Type	S		Informa	ition		H	tilities (l	oca	ted at)							
Utility Attachmer	nts						ullues (	_0Ca	teu at)							
Telephone	Buriec	d in ditch b	etween	P2 & P3				Gas			North side along r/w, under bridge between P2 &				2 &	
Power								P3.								
Others	Light	standards							Municipal National National							
Remarks	Light	standards	at NE an		ornore	oro r	uety in e		Problem (Y/N) No							
Remarks	Ligiti	nailualus	at INE al	IG INVV C	0111619	alel	Approa									
						Last			olanatio	on of (	Condi	tion				
Horizontal Alignr	nent					8	8	Top of crest curve.								
Vertical Alignme						7	7	] .								
volucia / viigimont																
Roadway Width	(m)		12.200					Cou	uld not	confirn	n width	า.				
Approach Bump						6	6									
Guardrail (Y/N)			Yes						rail at S		ner.					
Guardrail						4	4	Min	or crea	ising.		nate = holto m	iccina	, @ NE N\\/ ○	nd SE	
Length (m) 84.000								GR connection to parapets - bolts missing @ NE, NW and S cornerphoto					iiu JE			
Current Standard (Y/N) No									·							
Termination Ty	•		Turned	Down												
Termination Type Turned Down								_								

Approach Road												
				Last	Now	Explanation of Condition						
Drainage				5	5							
Approach Ro	oad General F	Rating		7	7							
					Supers	tructure						
Bridge Comp	onent			1		Explanation of Condition						
		ns, Lengths(m	ı): 21.3-25.9-1			, A-Ident Number: )						
Special Feat												
Special Featu	ire			8	8							
(Type : UNI	DERSLUNG D	DIAPHR)										
Special Featu	ire				X							
(Type : )												
Wearing Surfa	ace/Deck Top	Detail Ratings										
	N (%)	1 (%)	2 (%)	3 (%)		Viewed from corners.						
Last												
Now	50.0	0.0	0.0	C	0.0	iewed from corners.  ew small spalls. Up to 15mm deep, 150 diameter along joints.  /iewed from corners, could not confirm measurements.  lissing 3 plow deflectors. lissing 2 plow deflectors. lissing 3 plow deflectors.						
Wearing Surfa	ace			5	5	Few small spalls. Up to 15mm deep, 150 diameter along joints.						
(Material Ty COAT)	pe : CONCRE	ETE - CONVEN	NTIONAL CHI	P SEA	.L							
(Thickness(	mm) : <b>50</b> )											
Lateral Conne (Y/N)	ection Problen	n No										
Deck Top				N	N							
Deck Rideabi	lity			7	7							
Deck Joints				4	4							
Temperatur	e (deg. C)	30				Viewed from corners, could not confirm measurements.						
(Expansion	Type : <b>GLAN</b>	D (WABO-MA	UER, TRANS	FLEX,	ETC))	Viewed from corners, could not confirm measurements.						
(Fixed Type	: GLAND (W	ABO-MAUER	TRANSFLEX	K, ETC	<b>)</b> )							
Gap Size (n	nm)	Gap L	ocation			Missing 3 plow deflectors. Missing 2 plow deflectors.						
98		Abut 1				Aissing 2 plow deflectors. Aissing 3 plow deflectors.						
107		Pier 1				iewed from corners, could not confirm measurements.  ssing 3 plow deflectors. ssing 2 plow deflectors. ssing 3 plow deflectors. ssing 3 plow deflectors. ssing 5 plow deflectors. ssing 3 plow deflectors. spanning at centre of pier cap.  palling at North parapetphoto - 24-Sep-2010						
105		Pier 2				Missing 3 plow deflectors.						
110		Pier 3				_						
115		Pier 4				Missing 5 plow deflectors. Missing 3 plow deflectors.						
88		Abut 2										
Deck Drainag				7	7	No deck drains. Staining at centre of pier cap.						
Drains Clog					_							
Curbs/Mediar				4	N	Spalling at North parapetphoto - 24-Sep-2010						
	: NEW JERS											
Scaling (Pe	rcent Area)	0										
Bridge Rail				7	7	On parapet.						
		TEEL PARAPE	T RAIL)	_	_	Deiet weeking 000% feiled Ded geist was selvenie 000% see						
		OST STEEL;G	ALVANIZED I	7 POST	7	Paint peeling - 90% failed. Red paint over galvanize 90% gone. Galvanizing intact under paint.						
STEEL) Bridge Rail/Po	osts Coating			7	7							
(Type : GAI	_VANIZED)											
Sidewalk				Х	X							

					:	Supers	tructure
Bridge Com	ponent				Last	Now	Explanation of Condition
(Primary Sp	an : <b>FC, 5 Spa</b>	ns, Le	ngths(ı	n): 21.3-25.9-	15.2-25	.9-21.3	, A-Ident Number: )
Girder Detai		·		•			
	N (count)	1 (co	unt)	2 (count)	3 (cou	unt)	
Last	0		0	0		4	
Now						3	
Girders					3	3	SP4-G1, longitudinal stained crack. S4 G6 longitudinal crack on S.
Cracking (	Y/N)		Yes				leg no stain. Vertical crack in end of S4-G8-no stain.
	Percent Area)		0				Numerous rust spots do no tappear to be from strand, low cover.  Numerouls girders have rust stains on underside of legs du to low
	Girders : 40)						cover-not strands.
(* ************************************	,						S5G1& G8 has med vert. ck in E. end with rust stainphoto
							Spalled over P1@S2G1.
						1	Typical chamfer cracks, some extend into underside.
Diaphragms	/Cross Frame				4	4	Spalled over P1@S2G1. Numerous diaphragms have horizontal delam cracks.
							Tramorous diapriragins have nonzontal delam cracks.
Bearings					3	4	Pads distorting and twistin on both abutments. Pads moving - not
Temperati	ure (deg. C)		20				centered. Need snooper to inspect pier bearings. 6 of 6 AB's have sheared at West abutphoto
(Expansio	n Type : <b>REINI</b>	FORCE	D PAD	BEARING)			9 of 16 bearing pads sliding off of grout oads at W. abutphoto
(Fixed Typ	e : <b>REINFOR</b>	CED P	AD BE	ARING)			6 of 6 A's have sheared off at East abutphoto
Coating A	dequate (Y/N)		Yes				
Functionin	g (Y/N)		Yes				
Deck Under	side				5	5	Old corrosion stains @ weep drains.
Stains (Pe	rcent Area)		1			_	Underside of S2 stained from train exhaust.
Span Aligni	ment Problem	 1S			'		
Vertical (Y			No				Skew pressures - twisting bridge.
Horizontal	(Y/N)		Yes				
Superstruc	ture General F	Rating			3	3	
•							
					Ì		ructure
Bridge Con	nponent				Last	Now	Explanation of Condition
Abutments	. 10					Ι.,	
Bearing Sea	· ·				4	4	Delam crack NE corner abut 2. Wide horizontal crack W abutnent uner G5-0.6m.
	ONCRETE)						
Backwalls/B	reastwalls				6	6	
Wingwalls					4	4	Spall @ SE wingwallphoto
320					,	ļ .	, , , , , , , , , , , , , , , , , , , ,
Piles					N	N	
Doint/Cootin	. ~					E	
Paint/Coatin	lg .				5	5	
Abutment S	tability				4	4	
	•						
Scour/Erosio	on				X	X	
Piers/Bents	<u> </u>						
	ER-COLUMN)						P1 cap crack has delam under S1-G5.
Bearing Sea					4	4	Delam cracks P4, SP1.
	ONCRETE)				,		Patches. Low cover spall @ N end of P1.
							P4 has wide delam @ S & N endphoto
(Total Numb	er of Bearing F	Piles : 4	1:4:4:4)				Minor spalling on north pile of P3& P1; lack of cover on tie wires.
Pier Shaft/P					4	4	
Bracing/Stru	its/Sheathing				X	X	

			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Nose Plate		X	X	
Paint/Coating		5	5	
(Colour Description : )				
(Colour Code : )			_	
Pier Stability			6	
Scour			Х	
Debris (Y/N)	No			
Substructure General Rating			4	
		5	Structu	re Usage
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment			6	Sharp curve to north of structure.
Traffic Safety Features		6	6	West end of North and South guardrail have crash attentuator ends.
Туре	Guardrail / Lighting			
Slope Protection		5	5	
(Type : CONCRETE; CONC	RETE)			
Bank Stability		5	5	
Drainage		5	5	
Grade Separation General R	ating	5	5	

					Mainte	nance Recommen	dations						
Inspector Recommendations Year Inspecto					or Comments		Department Con	nments			Target Year	Est. Cost	Cat #
REPAIR/REPLACE BRIDGE RAIL			2012	Repair s	palls in parapet wa	alls, if not done.							
GALVANIZE/PAINT BRIDG	GE RAIL												
SEAL CURBS													
PATCH DECK													
SEAL DECK													
OVERLAY DECK													
REPAIR/REPLACE DECK	JOINTS	2	2012	Repair p	low deflectors.								
RESET/ PAINT BEARINGS			2012	Reset be	earings, install she novement.	ar blocks to preven	t						
WASHING													
SHOTCRETE REPAIRS													
REPAIR ABUTMENT SCO	UR/EROSIC	NC											
PLACE ADDITIONAL RIP	RAP												
REMOVE DRIFT ACCUMU	JLATION												
OTHER ACTION		2	2012	Repair	spall @ SE wingwa	all.							
OTHER ACTION			2012	Reconne	ect approach GR to	o parapets.							
OTHER ACTION		2	2012	Repair a	butment and pier								
OTHER ACTION													
Structural Condition Rati (%)	ng (Last/No	ow)	38.9/38.9 Sufficiency Rating (Last/Now) (%)				43.9/43.9	Est. F	Repl. Yr	2035	Maint. Re	eqd. (Y/N)	Yes
Special Monitor Comments for Next Inspection	girder crack	ing					Department Comments						
Maintenance Reviewed By	,						Date				Estimated Tota	al O	
Proposed Long-Term Strat													
On 3-Year Program (Y/N)													
Proposed Action													
Previous Inspector's Name Shane		Shane I	Hall			Assistant's Name							
Next Inspection Date		21-May	-2014			Inspection Date	24	1-Sep-2010					
Inspection Cycle (Default)	(months)	21											
Comment													