								Bridge I	nspe	ection								
Bridge File Num	Number 79766 -1 Bridge									rm Type			PSR CON					
Year Built/Year		<u> </u>	3/1983							No.			2					
Supstr									Ins	pector N	lame		Wade Nanni	nga				
Bridge or Town	Name	<u> </u>	IESEE							, pector C			BR CLS A					
Located Over		LOC	AL RC	DAD						sistant N								
ocated On 770:04 C1 16.986 Vater Body Cl./Year Intervious and the second se								Assistant Class										
Water Body CI./	Year								Ins	pection	Date		18-Oct-2012					
Navigabil. Cl./Ye	ear								Data Entry By				Theresa Lacusta					
Legal Land Loca	ation	NE S	SEC 24	4 TWP	50 RG	E 3 W5N	N			ta Entry	•		24-Oct-2012					
Longitude, Latitu	ude	-114	:18:14	, 53:20	:10					viewer N			Eric Carcoux					
Road Authority		Albe	rta Tra	ansporta	ation (A	AIT)				view Da			22-Oct-2012					
Contract Main.	Area	CMA	\11									Vamo	Brent Herrick					
Clear Roadway/	Skew	11 /								•								
AADT/Year		940	/ 2011	(A)					Dept. Review Date 13-Nov-2012									
Road Classifica	tion	RCU	J-210-1	110				Follow-Up By										
Detour Length (km)	24																
Allowable Load	(t): Sin	gle	CS1 2	28		Semi	С	S2 49			Train	CS	63 62		> On Critical Spans			
															>Critical N			
Design Loading:			MS30	0											> Primary	Span		
Deguined \/ent.((100)			P	osting I	nfor	mation								
· · · ·			-	(m)	V													
						La Asha		() () ()	N1-					0.4		· /\//\	NI	
I											In Advance	€ (Y/N)	No					
									Semi					k Train				
								Semi				Truck Train						
Posted:	Lane				At Jur	At Junction (Y/N)				In Advance (Y/N		(Y/N)	I) No /		At Bridge (Y/N) No			
Posted:	Lane	S	B		At Jur	nction (Y	′/N)	No		In Adv	ance ((Y/N)	N) No At Bridge (Y/N) No					
Remarks	Not re	quire	d.															
Hazard Marker	At Brid	ge (Y/	/N)	No														
Remarks																		
Other Sign Type	es			No park	ing on	bridge,	lcy @	0 degr	ee.									
							U	tilities (Loca	ted at)								
Utility Attachme	nts																	
Telephone	East &	& Wes	st r/w.						Ga	S								
Power	4 wire	s Eas	st r/w							Municipal								
Others	Street	t lighti	ing.						Problem (Y/N) No									
Remarks																		
								Approa										
							Last	Now		planatic								
Horizontal Align	ment						7	7	Curves at both ends of bridge.									
Vertical Alignme	ent						6	6	Lin	Typical overpass crest curve. Limited sight distances.								
Roadway Width	(m)			11.000						3								
Approach Bump							6	6	1	4								
Guardrail (Y/N)			,	Yes				-	W	rinkles &	k tear	@ SV	V turn down, s	till fur	nctional.			
Guardrail							4	5	1									
Length (m)			5	87.000				U										
Current Stand	ard (Y/	'N)		Yes														
Termination T	· · ·)		Turned	Down													
Drainage	, , , , , , , , , , , , , , , , , , , ,			Turried	DOWN		4	4	Ap fill.	proach o	draina	ge ru	nning under N	W, S\	N & SE wing	and erc	oding	
		TAL D	ating				6	6	1									

						tructure					
Bridge Comp						Explanation of Condition					
		ns, Lengths(m): 25-6-27-6	-25, A-lo	dent Nu	umber:)					
Special Feat											
Special Featu	ire				X						
(Type :)											
Special Featu	ire				X						
(Type :)											
Wearing Surfa	ace/Deck Top										
	N (%)	1 (%)	2 (%)	3 (%)		-					
Last						-					
Now											
Wearing Surf (Material Ty COAT)		ETE - CONVE	ENTIONAL CH	6 IIP SEA	6 L	Chipseal peeled off rear pier joints/					
(Thickness((mm) : 50)										
	ection Problen	n No									
(Y/N)											
Deck Top				N	N						
Deck Rideabi	lity			7	7						
Deck Joints				7	7						
Temperatur	e (deg. C)	10									
(Expansion	Type : GLAN	D (WABO-M	AUER, TRAN	SFLEX,	ETC))						
(Fixed Type	e : GLAND (W	ABO-MAUEI	R, TRANSFLE	X, ETC))						
Gap Size (r	nm)	Gap	Location								
75		S. at	outment								
80		Pier	1								
70		Pier	2								
70		Pier	3								
78		Pier	4								
78		N. at	outment								
Deck Drainag	le			6	6	(Small bird baths along East side. Sept/08/03.)					
Drains Clog		No									
Curbs/Mediar				6	6	Several narrow vertical cracks.					
	: JERSEY/F										
Scaling (Pe		5									
Bridge Rail		•		X	X						
(Type :)					~						
Bridge Rail P	nsts			Х	X						
(Type :)	0010				~						
Bridge Rail/P	osts Coating			X	X						
(Type :)	Usis Coaling				<u> </u>						
Sidewalk				X	X						
Girder Detail	Ratings										
	N (count)	1 (count)	2 (count)	3 (cou	int)	G1, 7 vertical crack North span.					
Last					2						
Now					2						
Girders				3	3	Typical FM cracks on top chamfer at ends. Patches @ ends of					
Cracking (Y	′/N)	Yes				girders. High load damage to G1-G6 center span. Strands exposed					
	ercent Area)	0				Ğ4-G5. G1 South span vertical crack @ North end - photo. G3/G6 South span vertical crack @ South end - photo. Patches @ girder					
(Number Of C						ends.					

						tructure
Bridge Com	ponent			Last	Now	Explanation of Condition
(Primary Spa	n : FM, 5 Spans, L	engths(m): 25-6-27-6-:	25, A-le	dent Ni	umber:)
Diaphragms/	Cross Frame			7	7	
Bearings				7	7	
Temperatu	re (deg. C)	10				
(Expansion NEOPREN	(Expansion Type : REINFORCED PAD BEARING;REI NEOPRENE BEARING WITH TEFLON AND STAINL					
(Fixed Type	e : REINFORCED	PAD BE	ARING)			
Coating Ad	equate (Y/N)	Yes	· · · ·			
Functioning	1 (Y/N)	Yes				
Deck Unders				7	7	
Stains (Per	cent Area)	0				
`	ent Problems					
Vertical (Y/N) No						
Horizontal (Y/N) No						
Superstructure General Rating				3	3	
					Supars	tructure
Bridge Com	oonent			Last		Explanation of Condition
(Secondary S				Luot	non	
Special Feature	Special Feature					
(Type :)					X	
Special Featu	Iro				X	
(Type :)						
	ace/Deck Top Deta	ul Poting	<u> </u>			
	N (%) 1 (%		2 (%)	3 (%)		
Last		0)	2 (70)	3 (70)		
Now						
Wearing Surf	200			5	5	(Map cracking span 2 & 4 - photo. Sept/08/04) Covered with
	/pe : CONCRETE				-	chipseal. Peeling near joints, couple square meters.
(Thickness	(mm) : 50)					
Deck Top				N	N	
Беск төр						
Deck Rideab	ility			7	7	
Deck Joints				7	7	
Temperatu	re (deg. C)	10				
(Expansion	Type : GLAND (W	ABO-M	AUER, TRANS	FLEX,	ETC))	
(Fixed Type	e : GLAND (WABC	-MAUEF	R, TRANSFLEX	X, ETC))	
Gap Size (r			Location			
Deck Drainag	10			6	6	No drains.
Drains Clog				0	U	
				0	<u> </u>	Coverel vertical eracles
Curbs/Media				6	6	Several vertical cracks.
	: JERSEY/F SHA					
Scaling (Pe	rcent Area)	5				

Bridge Component Last Now Explanation of Condition (Secondary Span: CV) Bridge Rail X X X (Type :) Bridge Rail/Posts X X X (Type :) Bridge Rail/Posts Coating X X X (Type :) Bridge Rail/Posts Coating X X X (Type :) Sidewalk X X X Girders 7 7 Cast in place section. Diaphragms/Cross Frame X X Bearings X X Temperature (deg. C) 10 (Expansion Type : REINFORCED PAD BEARING;REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINESS STELS (Fixed Type : REINFORCED PAD BEARING; Coating Adequate (Y/N) Functioning (Y/N) Deck Underside 6 6 Stains (Percent Area) Superstructure General Rating Vertical (Y/N) No Horizontal (Y/N) No <t< th=""><th></th><th></th><th></th><th>Supers</th><th>tructure</th></t<>				Supers	tructure
Bridge Rail X X (Type :)	Bridge Component				
(Type :) X X Bridge Rail Posts X X (Type :) X X Bridge Rail/Posts Coating X X (Type :) X X Bridge Rail/Posts Coating X X (Type :) X X Sidewalk X X Girders 7 7 Diaphragms/Cross Frame X X Bearings X X Temperature (deg. C) 10 Image: ReiNFORCED PAD BEARING; REINFORCED Net Dead Bearing; REINFORCED Net Dead Bearing; ReiNFORCED Net Dead Bearing; ReiNFORCED PAD BEARING; REINFORCED Net Dead geuate (Y/N) (Fixed Type : REINFORCED PAD BEARING) Image: ReiNFORCED PAD BEARING; ReiNFORCED Net Dead geuate (Y/N) Functioning (Y/N) Image: ReiNFORCED PAD BEARING; ReiNFORCED Net Dead geuate (Y/N) Image: ReiNFORCED PAD BEARING; ReiNFORCED Net Dead geuate (Y/N) Deck Underside 6 6 Stains (Percent Area) Image: ReiNFORCED PAD BEARING; ReiNFORCED Net Dead geuate (Y/N) Vertical (Y/N) No Image: ReiNFORCED PAD geuation of Condition Superstructure General Rating 6 6 Bridge Component Last	(Secondary Span : CV)				
Bridge Rail Posts X X (Type :) Image: Second condition of Condition Bridge Rail/Posts Coating X X (Type :) Image: Second condition of Condition Sidewalk X X Girders 7 7 Diaphragms/Cross Frame X X Bearings X X Temperature (deg. C) 10 Image: Second condition Image: Second condition 10 Image: Second condition Second condition 10 Image: Second condition Image: Second condition Image: Second condition Image: Second condition Image: Second condition Image: Second condition Image: Second condition Image: Second condition Image: Second condition Image: Second condition Image: Second condition Image: Second cond condition Image: Second condition	Bridge Rail		X	Х	
(Type :) Image: Second sec	(Type :)				
Bridge Rail/Posts Coating X X (Type :)	Bridge Rail Posts		X	X	
(Type :) Sidewalk X X Sidewalk X X X Girders 7 7 Cast in place section. Diaphragms/Cross Frame X X Bearings X X Temperature (deg. C) 10 Image: Component of the section of the secti	(Type :)			_	
Sidewalk X X Girders 7 7 Cast in place section. Diaphragms/Cross Frame X X Bearings X X Temperature (deg. C) 10	Bridge Rail/Posts Coating		X	X	
Girders 7 7 7 Diaphragms/Cross Frame X X Bearings X X Bearings X X Temperature (deg. C) 10 Value (Expansion Type : REINFORCED PAD BEARING; REINFORCED NEO BEARING WITH TEFLON AND STAINLESS STEEL) No bearings. (Fixed Type : REINFORCED PAD BEARING; Value Coating Adequate (Y/N) Value Functioning (Y/N) Value Deck Underside 6 Stains (Percent Area) Value Superstructure General Rating 6 Superstructure General Rating 6 Bridge Component Last Abutments Value	(Туре :)				
Diaphragms/Cross Frame X X Bearings X X Temperature (deg. C) 10	Sidewalk		X	X	
Bearings X X X Temperature (deg. C) 10 Image: Construct of the second seco	Girders		7	7	Cast in place section.
Temperature (deg. C) 10 Temperature (deg. C) 10 (Expansion Type : REINFORCED PAD BEARING; REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL) (Fixed Type : REINFORCED PAD BEARING) (Fixed Type : REINFORCED PAD BEARING)	Diaphragms/Cross Frame		Х	Х	
(Expansion Type : REINFORCED PAD BEARING; REINFORCED NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL) (Fixed Type : REINFORCED PAD BEARING) Coating Adequate (Y/N) Functioning (Y/N) Deck Underside 6 Stains (Percent Area) Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No Superstructure General Rating 6 Bridge Component Last Abutments Now	Bearings		Х	X	No bearings.
NEOPRENE BEARING WITH TEFLON AND STAINLESS STEEL) (Fixed Type : REINFORCED PAD BEARING) () Coating Adequate (Y/N) () () Functioning (Y/N) () () Deck Underside 6 6 Stains (Percent Area) () () Span Alignment Problems () () Vertical (Y/N) No () Horizontal (Y/N) No () Superstructure General Rating 6 6 Bridge Component Last Now Explanation of Condition Abutments () () () ()	Temperature (deg. C)	10			
(Fixed Type : REINFORCED PAD BEARING) Coating Adequate (Y/N) Functioning (Y/N) Deck Underside 6 6 Stains (Percent Area) Span Alignment Problems Vertical (Y/N) No Horizontal (Y/N) No Superstructure General Rating 6 6 Bridge Component Last Now Abutments Intervention of Condition	(Expansion Type : REINFORC NEOPRENE BEARING WITH	ED PAD BEARING;RI TEFLON AND STAINI	EINFO	RCED STEEL)	
Coating Adequate (Y/N) Image: Coating Adequate (Y/N) Functioning (Y/N) Image: Coating Adequate (Y/N) Deck Underside 6 6 Stains (Percent Area) Image: Coating Adequate (Y/N) Span Alignment Problems Image: Coating Adequate (Y/N) Vertical (Y/N) No Horizontal (Y/N) No Superstructure General Rating 6 Bridge Component Last Abutments Image: Coating Adequate (Y/N)	(Fixed Type : REINFORCED P	AD BEARING)		,	
Functioning (Y/N) Image: Component of Condition Deck Underside 6 6 Stains (Percent Area) Image: Component of Condition Span Alignment Problems Image: Component of Condition Vertical (Y/N) No Horizontal (Y/N) No Superstructure General Rating 6 6 Bridge Component Last Now Explanation of Condition					
Stains (Percent Area) Image: Construct of the second s					
Span Alignment Problems No Vertical (Y/N) No Horizontal (Y/N) No Superstructure General Rating 6 6 Eridge Component Last Now Explanation of Condition Abutments Image: Condition of Condition Image: Condition of Condition	Deck Underside		6	6	
Vertical (Y/N) No Image: Marcine Construction Horizontal (Y/N) No Image: Construction Construction Superstructure General Rating 6 6 6 Bridge Component Last Now Explanation of Condition Abutments Image: Marcine Construction Image: Marcine Construction	Stains (Percent Area)				
Vertical (Y/N) No Image: Marcine Construction Horizontal (Y/N) No Image: Construction Construction Superstructure General Rating 6 6 6 Bridge Component Last Now Explanation of Condition Abutments Image: Marcine Construction Image: Marcine Construction	Span Alignment Problems	·			
Superstructure General Rating 6 6 Substructure Bridge Component Last Now Abutments Image: Component of Condition Image: Component of Condition		No			
Bridge Component Last Now Explanation of Condition Abutments Image: Component in the second se	Horizontal (Y/N)	No			
Bridge Component Last Now Explanation of Condition Abutments Image: Component of Condition Image: Component of Condition Image: Component of Condition	Superstructure General Rating	I	6	6	
Abutments				Subst	ructure
Abutments	Bridge Component		Last		
	Abutments				
	Bearing Seats		4	4	Wide vertical crack NW & c/l North abutment. Wide vertical crack SV
(Type : CONCRETE) & c/l, South abutment.	(Type : CONCRETE)				& C/I, South abutment.
Backwalls/Breastwalls 4 4 Wide crack NW, North abutment. Wide diagonal crack SW, South abutment.	Backwalls/Breastwalls		4	4	Wide crack NW, North abutment. Wide diagonal crack SW, South abutment.
Wingwalls 6 6	Wingwalls		6	6	
Piles N N	Piles		N	N	
Paint/Coating X X	Paint/Coating		Х	Х	
Abutment Stability 5 5	Abutment Stability		5	5	
Scour/Erosion 7 7	Scour/Erosion		7	7	
Piers/Bents					
(Type : PIER-COLUMN) Wide vertical cracks @ South pier, East & West side cap & leg.					Wide vertical cracks @ South pier, East & West side cap & leg. Water stained or fascias likely due to poor jt/curb cover plate detail.
Wide crack under drain @ NW.			4	3	Wide crack under drain @ NW.
(Type : CONCRETE)					
(Total Number of Bearing Piles : 0:0:0:0) Wide vertical crack North pier East leg on North. 5 shafts/pier on common footingphoto		0:0:0)			Wide vertical crack North pier East leg on North. 5 shafts/pier on
Fiel Shalt/Files 4 3					
Bracing/Struts/Sheathing X X	Bracing/Struts/Sheathing		X	Х	
Nose Plate X X					

			Subst	ructure
Bridge Component		Last	Now	Explanation of Condition
Paint/Coating		6	6	
(Colour Description :)				
(Colour Code :)				
Pier Stability		8	6	Cracking in piers.
Scour		Х	X	
ebris (Y/N) No				
Substructure General Rating		4	3	
		S	Structu	re Usage
		Last	Now	Explanation of Condition
Grade Separation				
Road Alignment		7	7	
Traffic Safety Features		7	7	
Туре	Crash Wall			
Slope Protection				
Slope Protection		7	7	Pitrun.
Slope Protection (Type : GRAVEL; GRAVEL)		7	7	Pitrun.
		7	7	Pitrun.
(Type : GRAVEL; GRAVEL)		1	1	Pitrun.

					Maintenance	Recommend	ations						
Inspector Recom	mendations		Year	Inspecto	or Comments		Department Co	ommen	ts		Target Year	Est. Cost	Cat #
REPAIR/REPLAC	E BRIDGE RAIL												
GALVANIZE/PAI	NT BRIDGE RAIL												
RETROFIT BRIDGE RAIL													
SEAL CURBS													
PATCH DECK													
SEAL DECK													
OVERLAY DECK													
REPAIR/REPLAC	E DECK JOINTS												
RESET/ PAINT BEARINGS													
WASHING													
SHOTCRETE REPAIRS													
REPAIR ABUTMENT SCOUR/EROSION													
PLACE ADDITIONAL RIP RAP													
REMOVE DRIFT ACCUMULATION													
OTHER ACTION			2012	Repair p	ier cap cracking.								
OTHER ACTION			2012	Repair h	igh load damage.								
OTHER ACTION			2012	Seal hol	e @ SE corner.								
OTHER ACTION													
Structural Condi (%)	38.9/33.3 Sufficiency Rating (Last/Now) (%)			st/Now)	46.0/44.0	Es	t. Repl. Yr	2038	Maint. Re	qd. (Y/N)	Yes		
Special Comments for Next Inspection	Monitor delam crcks	s in pier	caps, ab	outments a	and pier shafts.		Department Comments						
Maintenance Rev	iewed By						Date			E	stimated Total	0	
Proposed Long-T	erm Strategy												
On 3-Year Progra	ım (Y/N)												
Proposed Action													
Previous Inspecto	or's Name	Arnold	Assenhe	eimer		Previous /	Assistant's Name	e					
Next Inspection D		18-Jan	-2016		Previous Inspection Date 05-May-2009								
Inspection Cycle		39											
Comment													