	ewell,Todd		Structure Number:			
Inspection Date: C	3/17/2025		Facility Carried:	SR 7		
<u>Ohio Bridge Inspe</u>	ction Summ	ary Report		BEL-	00007-1975	(070054
B.L.04: District District 1	108560		5A: Inventory Ro	ute 1	00007	
B.CL.02: Major Maint 01	- State Highway Ag	ency /	7: Facility On	SR 7		
225 Routine Main A/B 01	 State Highway Ag 	ency /	•	US40SR76	7170SUB-CREE	(&RR
221 Inspection A/B 01	- State Highway Ag	ency /	9: Location	.9 M E OF	BRIDGEPORT	
	Condition		Lat, Lon	40.069439	,-80.	740569
B.C.01: Deck	6			Str	ucture Type	
58.01: Wearing Surface	4		43: Bridge Ty	vpe 4 - Ste	eel continuous	
B.C.08: Joint	4			02 - S	Stringer/Multi-bear	n or Girder
B.C.02: Superstructure	6				t Applicable	
59.01: Paint & PCS	7		45: Spans Ma		ach 21	/ 0
B.C.03: Substructure	5		107: Deck Ty	•	1 - Concrete Ca	
B.C.09: Channel	5		408: Compos		N - Non-compos	
B.C.11: Scour	6		414A Joint Ty		8 - Elastomeric	Strip Seal
B.C.10: Channel Prot.	5		414B: Joint T		N - None	orata lagratata
B.C.05: Bridge Railing	6		108A: Wearir	ng Surface	2 - Integral Con non-modified lay added to structu	er of concrete
B.C.06: Transitions	8				3 - MicroSilica	,
B.C.07: Bearings	4		422: WS Date	e	11/23/1998	
-			423: WS Thic	ck (in)	1.8	
B.C.04: Culverts	Ν		482: Protectiv	•	5 - Paint Systen	n OZEU
Ohio GA	5		483: PCS Da		10/01/1999	
	Appraisal		453: Bearing		2 - Rockers & B	olsters
B.AP.03: Scour Vul.	D - Scour appraisa or may become, u	al completed. Bridge nstable for scour. B		• •	N - None 8 - Steel H Piles	s (HP 12 x 53)
	is scour critical. Geometric		533: Foundn:	Abut Rear	A - Cast-in-Plac	
48: Max Span Length (ft)		0		Diand	Concrete Piles (B - Cast-in-Plac	
48: Max Span Length (ft) 49: Structure Length (ft)	115 163	2.5	536: Foundn:	Pier 1	Concrete Piles (
52: Deck Width, Out-To-Out	(ft) 70.7	7	539: Foundn:	Pier 2	1 - Steel H Piles	
424: Deck Area (sf)	115	417.75		Aae	and Service	
32: Appr Roadway Width (ft	58.0)	27: Year Built			0000
51: Road Width, Curb-Curb	(ft) 58.0)	42A: Service		1 - Highway	
50A: Curb/SW Width: Left (f	· · /		42B: Service	-	8 - Highway - railroad	waterway -
50A: Curb/SW Width: Right	(ft) 0		28A: Lanes o	n	04	
34: Skew (deg)	0		28B: Lanes L		04	
33: Bridge Median	1 - (Open median	19: Bypass L	ength	0	
54B: Min Vert Underclearan	ce (ft) 14.4	12	29: ADT		24467	
336A: Min Vert Clrnce IR Ca	rdinal (ft) 15.8	5	109: % Truck	κs (%)	11	
336B: Min V Clr IR Non-Car				Insi	pections	
578: Culvert Length (ft)	0			-	Months	
	oad Posting		90: Routine II	-	12	
41: Op/Post/Closed	A - Open		92A: FCM Ins	•	0	
70: Posting 5 - Equal to c	•		92B: Dive Ins	•	0	
70.01: Date	-		92C: Special	-	0	
70.02: Sign Type			92D: UBIT In	•	0	
734: Percent Legal (%)	150		92E: Drone Ir	nsp. N	0	
63: Analysis Method	07/01/2002 6 - Load Factor (LF) rating factor (RF) m		Inspector J	lewell,Todd		

Inspector:	Jewell,Todd	Structure Number:	0700541
Inspection Date:	03/17/2025	Facility Carried:	SR 7

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	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12-Reinforced Concrete Deck	3 - Mod.	115261	sq. ft.	113653	1525	59	24
	Historical Comments: 05/23/2017 spalls removed over SR 7 NE span, over 40 EB at 13th span, and over NB 7 on ramp at 20th Hanson and Jay Bardall with bucket truck. Spalled areas over c downspouts on right side with exposed and rusting rebar.						
	General Comments (CS1 condition): Transverse overhang cracks with light efflorescence spaced at 5' to 10' in all spans; tighter spacing in so noted below for CS2 condition. Few full depth patches and honeycom Hairline vertical cracks along deck edges at 3' to 5' spacing extending railings.						me spans areas.
	CS2 - General: Shallo scattered throug (600 SF).						
	Span 1: 4 SF spall in Bay 4 at Rear Abutment (4 SF). Hairline transf with efflorescence within 10' of Rear Abutment (150 SF). Hairline cr. efflorescence and dark areas at midspan in Bays 1-4 and 6-8 (250 S Span 2: Hairline transverse cracks spaced at 3' to 5'. Map cracking 3 (100 SF). Dark area with rust staining in Bay 7 (10 SF). Span 4: Hairline map cracking in Bays 7 to 9 (75 SF). Large deck pa (25 SF). Span 8: Two small delaminations in Bay 4, 10 SF total (10 SF). Span 13: Spalls at median joint (5 SF). Span 14: Delamination/scaling at Beam 8 (12 SF). Span 15: Cracks with chlorides in west fascia (16 SF). Span 17: 6 SF deck patches at center above intermediate joint (6 S and 10 spalled/cracked with chlorides in Bays 8-9 at Pier 19 (4 Span 20: Transverse cracks with chlorides in Bays 7-9; cracks are w SF).						ss with Bays 2 and n in Bay 8 At Beams 7 SF).
	CS3 - Span 6: 2 SF spall with exposed reinforcement, rig SF). Spall is located over SR 7 northbound exit ra Span 8: Large spall in Bay 9 (10 SF). Span 9: West overhang spall with exposed reinfor span 10: CS3- 6 SF EXPOSED REBAR IN BAY # span 10: CS3- 12 SF EXPOSED BAY # 9. Span 12: Spalls with exposed reinforcement at lef intermediate joint (20 SF). Span 17: Spall at center above intermediate joint Span 18: Spall along center joint (1 SF). Span 21: Spall in left forward corner at abutment (CS4 - Span 2: 24 SF spall with second row of rebar expo					SF). nt fascia und	ler
	Span 2: 24 SF to 2" deep in rig concrete remov	ht half alon	g cente	r joint with e	exposed reba		
510-Wearing Surfaces		94685	sq. ft.	46151	47343	1107	84

Inspector:	Jewell,Todd		Str	ucture	Number:	0700	541	
Inspection Date:	03/17/2025		Fac	cility Ca	arried:	SR 7	-	
		Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
		CS2- Transverse and 3' throughout. L throughout. 50% expansion joints transverse crac	arge areas 6 of deck ar s. The span	of rand rea CS2 over th	om cracking 2. Transvers ie water (Sp	and minor of and minor of a cracking is	delamination common wi	s thin 10' of
		CS3 - Estimated 100 S 80-90% of defic broken up conc both the left and Pothole at right CS3- (75SF) M/	iencies are rete and as d right sides rear corner	in the f phalt pa of the near d	NB (right) ha atches which wearing surf eck joint (4 \$	lf (100SF). S n are unsour face (Left - 7 SF).	Spalled areas ad and poppi '6 SF, Right	s with ng out in
		CS3- (315SF) M CS4- (32SF) BF CS4- (8SF) BR(CS4- (12SF) BF CS4- (32SF) BF	AP CR. AN ROKEN UP OKEN UP (ROKEN UP	ND ARE CONC CONCR CONC	EAS BREAK RETE WITH ETE WITH S RETE WITH	ING UP IN N I SOME SEC SOME SEC ⁻ I SOME SEC	NB LANES. CTION MISS FION MISSIN CTION MISS	NG SB PL. ING SB TL.
107-Steel Open Gird	ler/Beam	3 - Mod.	16320	ft.	15900	400	20	0
		Beams/Girders Minor collision s splice from rear (right outside be CS2 - Moderate assemblies. Iso CS3 - Minor pai abutments near	Scrapes to b in Beam 9 eam) over L e surface co lated surfac nted over s	bottom JS 40. prrosion ce corro	flange. Scra within 1' of a sion along b	apes to botto abutments a beam top flar	om flange on nd adjacent nges (400 LF	Beam 10 to hinge ⁻ total).
515-Steel Protective Co	pating		200000	sq. ft.	198800	1000	200	0
		 Protective Coating System (LF) CS2 - Minor scrapes in paint on Beam 10 (right outside beam) bottom flange over US 40 and bottom flanges where roadway crosses below the bridge to SR 7 NB onramp. Light surface corrosion at isolated locations throughout. Estimate 0.5% of total area (1000 SF). CS3: Heavy rust within 1' of abutments and at 1st and 2nd intermediate joints (200 SF). 						SR 7 NB ate 0.5% of
210-Reinforced Con	crete Pier Wall	3 - Mod.	697	ft.	691	4	2	0
		 All piers are sealed. Pier 10: East wall exposed to water at low flows (All other piers well outside of normal flow). There is a 3.5' deep scour hole on east end of Pier 10. CS2 - Pier 5W: Minor collision damage, left side has 9" x 9" scraped area (1 LF). Pier 6W: Shallow rebar cover with rust staining on forward face (2 LF). Pier 12E: Rear face has1' diameter delamination with rust stains (1 SF). CS3 - Pier 4E: Horizontal spall with exposed reinforcement near top of right wall at left end (1 LF). Pier 16E: Left end spall with exposed reinforcement (1 LF). 						_F).).
215-Reinforced Con	crete	3 - Mod.	142	ft.	0	118	23	1
Abutment		5 - MOU.	142	11.	0	110	20	1

Inspector:	Jewell,Todd	Structure Number:	0700541
Inspection Date:	03/17/2025	Facility Carried:	SR 7

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4	
	Environment							
	CS3 - Rear Abutment: 1/16" diagonal crack between Beams 1 and 2 with efflorescence and light rust staining (4 LF). 2' wide by 3' high delamination with 1 SF shallow spall under Beam 5 (2 LF). Hairline diagonal crack with moderate efflorescence and 2 SF delamination at left rear corner (6 LF). Forward Abutment: Heavy map cracking with efflorescence below Beam 10 right fascia beam (3 LF). At the Forward Abutment there are three 1' wide by 1' high spalls below Beam 1 (3 SF). Spall below left fascia Beam (2 LF).							
	Retaining walls: Left side rear vertical spalls 1" deep with reinforcement edue to insufficient concrete cover. Wingwalls: Forward Abutment: Horizontal cracking at groundline and up to 3' above groundline. Right side 7'x 4' spall/delamination with chlorides, map crack Rear Abutment : Left wingwall has horizontal cracking near bottom (27 L also a diagonal crack with rust stains near beam seat (3 LF). Right wingw horizontal cracks (25 LF) with 1.5' x 1' spall 4' above the groundline and 3 delamination near the beam seat.						re cking. LF) and gwall has 3	
	REAR CS3- (2LF) HORZ. CRACKS AT CURTAIN WALL AT BOTH LT/RT AT LEVEL. POROUS BACKFILL ON RT SIDE PILED UP NEXT TO ABUT/REATAINING AREA. FWD CS3- (1LF) HORZ. CRACKS AT CURATIN WALL LT SIDE FWD. CS4- (1LF) AT RT SIDE SPALL 4+- DEEP CURTAIN WALL AT TOP.							
ced Concrete Pier Cap	3 - Mod.	1400	ft.	0	1346	54	0	

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	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4		
	NOTE: PIER CA	APS # 8,11		RT HAS PIE	ER CAP STRENGTHENING BY				
	 CS2 - Much hairline vertical cracking in tops (2016 bucket truck inspection). Prior to 2021, several of these hairline cracks were measured, are marked next to th cracks in the field and noted below individually for each pier. Pier 1 W: Crack at west overhang (2 LF) Pier 2 East. (a): Rear center crack. 030" pier 2 East. (a): Forward center crack. 030" Pier 2 West: Rear alt right side. 016" and .010" Pier 3 East: Rear at right side. 016" and .010" Pier 3 East: Rear .005 "ight rear. Pier 5 West: Rear .020" & .003" Pier 5 East: Rear .020" & .009" Pier 6 East: Rear .020" & .009" Pier 7 East: Forward .010" & .016" & .016" at left. with honeycombing Pier 7 East: Forward .020" at left & right & .016" at left. with honeycombing Pier 7 West: Forward .020" at left & right & .016" at left. with honeycombing Pier 18 West: Rear 1' vertical spall with exposed reinforcement (1 LF). Hairline vertical cracking spaced at less than 1' at Pier 3 and Piers 13-20. Sp at 1' to 3' at other piers. CS3 - Pier 1 West: 1 SF delamination, 1 SF spall with exposed reinforcement on for face and on east overhang (2 LF). Pier 1 East: 1 SF spall with exposed reinforcement in east overhang (1 LF) Pier 3 West: 1 SF delamination and spall with exposed reinforcement (1 LF). Pier 4 East: 1 SF shallow spall left rear along bottom (1 LF). Forward Face: 4 horizontal spall with rebar exposed (4 LF). Left edge 3 SF spall (3 LF). 6' x 0 inches deep with 1 main vertical reinforcement on forward face (1 LF). Pier 5 West: 0n east overhang 1' vertical spall with exposed reinforcement (1 LF). Pier 5 West: 0n east overhang 1' vertical spall with exposed reinforcement (1 LF). Pier 5 West: 0n east overhang 1' vertical spall with exposed reinforcement (1 LF). Pier 4 West: 2' x 0.5' horizontal spall with exposed reinforcement on forward face (1 LF).						t to the		
							ear face (1 (1 LF). 1 LF). face: 4 LF 6' x 0.5' x 3 with ear face (3). hent (1 LF). th exposed c) rcement (4 hed. at east		
300-Strip Seal Expansion Joint	3 - Mod.	424	ft.	0	0	179	245		
	 CS3 - Strip seal torn at abutments. Armor heavily rusted. Evidence of minor leakage below at abutments. Heavy leakage at intermediate joints resulting in heavy rust at diaphragms below Intermediate joint 3 and 4: torn gland. Intermediate joint 2: extrusion broken. Intermediate joint 1: full of debris. NOTE: REAR RT. APP SLAB AND JOINT IS 1.75 HIGHER THAN DECK. FWD LT APP SLAB IS 1.5 HIGHER THAN DECK. CS4- (70LF) SEAL TORN AT BOTH LT/RT AT REAR ABUT. CS4- (70LF) SEAL TORN AT BOTH LT/RT AT 3RD JOINT. CS4- (35LF) SEAL TORN AT BOTH LT/RT AT LT 4TH JOINT. CS4- (70LF) SEAL TORN AT BOTH LT/RT AT FWD ABUT. 								
311-Movable Bearing	3 - Mod.	185	each	148	0	27	10		

Inspector:	Jewell,Todd 03/17/2025				Number:	0700 SR 7	541			
Inspection Date:	03/17/2025	Facility Carried: SR 7								
		Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4		
		Bearing Device		section						
		CS3 - Beam 1 b rocker bearings have moderate CS3- (5EA) HA	tilted forwa rust (5 EA) VE EXCES	ard with IVE TIL .t workir	heavy rust T ON PIER	(6 EA). Rear # 5 LT. ed and are fi	abutment b	earings am 3, 4, 7,		
313-Fixed Bearing		8, and 9 bearing 3 - Mod.	40	each	4, 6, and 7	0 0		10 EA).		
321-Reinforced Cond	crete			odon	10					
Approach Slab		3 - Mod.	2900	sq. ft.	2486	410	4	0		
		REAR CS2- (300SF) M FWD CS2- (60SF) LC CS2- (50SF) LC CS3 - Partial as	ONG. CR. L DNG. AND	T FWD. TRANS	. CR. RT FV	VD.	k joint (4SF).			
331-Reinforced Cone Railing	crete Bridge	3 - Mod.	4896	ft.	3852	1002	42	0		
		spacing in span CS2 - Map crac median, and rig median rail (100 CS3 - Isolated I LF).	king in 5' to ht rails. Est 02 LF).	o 10' se imate 6	gments in ni 29 LF along	left and righ	nt rails and 3	73 LF along		
815-Drainage		3 - Mod.	33	each	0	21	0	12		
		CS2 - Dirt is typ previous inspec CS4 - 7 scuppe northbound side	tical along r tions. rs clogged e (12 EA).	ailings. along s	Perforations	s in drainage side, 5 scupp	e system as i bers plugged	along		
820-Steel Seated-Hir	ige Assembly	·	40	each	24	16	0	0		
		Very light rust a CS2 - At 1st intermedi intermediate joi (left), and Beam 10 pin and hang At 2nd intermed beams (10 EA). At 3rd and 4th i 1 hinge location	iate joint fro nt from rea n 9 (right). F ger (4 EA). liate joint fr ntermediate	om rear, r has bo Perforat om rear	hinges on l ottom bolts n ion at 1st inf	eft side have nissing at Be ermediate jo e hinges tiltii	e excessive t eam 7 (both) bint crossfrar ng with heav	ilting. 1st , Beam 8 ne at Beam y rust at all		
830-Abutment Backy	wall	3 - Mod.	142	ft.	0	142	0	0		
		CS2 - Longitudi Rear: 3 LF spal and 8. Rust stai southwest corru- Forward: Horizo between Beams Heavy rust stain beams at abutn	l at southea ining along er. ontal cracks s 3 and 5. 2 ning and ha	ast corn majority betwee by 1' s irline di	er. Full heig y of length. I en Beams 6 spall at Bear agonal crac	ht vertical cr Full height ve through10. ⁻ n 10. 1' by 1	ack betweer ertical crack Two vertical ' spall at che	Beams 7 at cracks ekwall.		

```
Affected Area : Create Report Section.
Form Id : 152
Section Name : Inspector Comments - All
Section Type : Designer
Detailed Message : The definition of this report is not valid or
supported by this version of Reporting Services. The report definition
may have been created with a later version of Reporting Services, or
contain content that is not well-formed or not valid based on
Reporting Services schemas. Details: ' ', hexadecimal value 0x02, is
an invalid character. Line 1867, position 7345.
```