Inspector:Cooper,KennethStructure Number:7706871Inspection Date:05/24/2023Facility Carried:SR 82

Ohio Bridge Inspection Summary Report

SUM-00082-0000 (7706871)

2: DistrictDistr 69428 - ict	SAGAMORE HILLS TWP (SUM	county)	5A: Inventory R	oute 1	00082
04					
21: Major Maint A/B	01 - State Highway Agency	/	7: Facility On	SR 82	
225 Routine Main A/B	01 - State Highway Agency	/	6: Feature Ints	CUY RIV-B8	O RR-BIKE PATH
221 Inspection A/B	01 - State Highway Agency	/	9: Location	3.43 MI W O	F SR 8
220: Inv. Location DIS	STRICT 04		Lat, Lon	41.321292	,-81.587194

220: Inv. Location DISTR	ICT 04	Lat, Lon 41.321292	,-81.587194
	Condition	Str	ucture Type
58: Deck	6 - Satisfactory Condition	43: Bridge Type 1 - Co	oncrete
58.01 Wearing Surface	6 - Satisfactory (1-10% distress)	11 - <i>A</i>	Arch - Deck
58.02 Joint	5- Fair (obvious leaking, 1" offset)	N- No	ot Applicable
59: Superstructure	6 - Satisfactory Condition	45: Spans Main / Approa	ach 5 / 2
59.01 Paint & PCS	N - Not Applicable	107: Deck Type	1 - Concrete Cast-in-Place
60: Substructure	5 - Fair Condition	408: Composite Deck	U - Unknown
61: Channel	8	414A Joint Type 1	3 - Compression Seal
61.01 Scour	7 - Good	414B: Joint Type 2	N - None
62: Culverts	N - Not Applicable	108A: Wearing Surface	2 - Integral Concrete (separate non-modified layer of concrete added to structural deck)
67.01 GA	5		2- MicroSilica
	Appraisal	422: WS Date	09/01/2013

	Appr	aisal		
Sufficiency Rating	80.4	;	SD/FO 2 -	FO
36: Rail, Tr, Gd, Term Std	1	1	1	1
72: Approach Alignment	7 - Better than present minimum criteria			
113: Scour Critical	7 - Countermeasures installed to correct scour problem			
71: Waterway Adequacy	9 - Bric	lge Abov	e Flood Wa	ater Elevations

71. Waterway Adequacy 3- Bridge Ab	ove i lood water Lievatio
Geometric	
48: Max Span Length (ft)	181.0
49: Structure Length (ft)	1133.0
52: Deck Width, Out-To-Out (ft)	43.5
424: Deck Area (sf)	49285.5
32: Appr Roadway Width (ft)	40.0
51: Road Width, Curb-Curb (ft)	40.0
50A: Curb/SW Width: Left (ft)	0
50A: Curb/SW Width: Right (ft)	0
34: Skew (deg)	0
33: Bridge Median	0 - No median
54B: Min Vert Underclearance (ft)	0
336A: Min Vert Clrnce IR Cardinal (ft)	99
336B: Min V Clr IR Non-Cardinal (ft)	0
578: Culvert Length (ft)	0

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	Load Posting
41: Op/Post/Closed	A - Open
70: Posting 5 - Equal to	or above legal loads
70.01: Date	
70.02: Sign Type	
734: Percent Legal (%)	150
704: Analysis Date	07/01/1992
63: Analysis Method	7 - Allowable Stress (AS) rating reported by rating factor (RF) method using MS18 loading.

106A. Wearing Surface	non-modified layer of concrete added to structural deck) 2- MicroSilica
422: WS Date	09/01/2013
423: WS Thick (in)	2.5
482: Protective Coating	N - None or Not Applicable
483: PCS Date	
453: Bearing Type 1	4 - Elastomeric (Plain)
455: Bearing Type 2	N - None

528: Foundn: Abut Fwd	4 - Spread Footing (on soil)
533: Foundn: Abut Rear	4 - Spread Footing (on Soil)
536: Foundn: Pier 1	4 - Spread Footing (on soil)
539: Foundn: Pier 2	N - None (Such as most Culverts)

A	· · · · · · · · · · · · · · · · · · ·
Age a	nd Service
27: Year Built/ 106 Rehab	1931 / 1989
42A: Service On	1 - Highway
42B: Service Under	7 - Railroad - waterway
28A: Lanes on	02
28B: Lanes Under	00
19: Bypass Length	4
29: ADT	10523
109: % Trucks (%)	4
Inches	ctions

inspections						
90: Routine Insp.		Months 12	06/08/2023			
92A: FCM Insp.	N	0				
92B: Dive Insp.	N	0				
92C: Special Insp.	N	0				
92D: UBIT Insp.	Υ	12	06/08/2023			
92E: Drone Insp.	N	0				
Inspector Cooper	r,Kenn	eth				

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	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
16-Reinforced Concrete Top Flange	3 - Mod.	45320	sq. ft.	36256	9064	0	0
	CS2 - The wear longitudinal.	ring surface	has de	veloped tight	cracks both	transverse a	nd
	Snooper Inspec	ction 2021,	2022, 20	023			
	Pictures - 2021	, 2022, 202	3				
510-Wearing Surfaces		45320	sq. ft.	36238	9064	18	0
	CS2 - The wear longitudinal.	ring surface	has de	veloped tight	cracks both	transverse a	nd
	CS3 - There are abutment. The						Rr
104-Prestressed Concrete Closed Web/Box Girder	3 - Mod.	48600	ft.	46170	2430	0	0
	CS2 - Approxir efflorescence a		of the be	ams have so	ome evidence	e of leakage	with some
144-Reinforced Concrete Arch	3 - Mod.	1818	ft.	1535	182	101	0
	CS2 - The arches have developed multiple spots of delamination. Second arch from rear has large crack with efflorescence.						
	CS3 - All of the pier 13 from the sf.						
155-Reinforced Concrete Floor Beam	3 - Mod.	2580	ft.	2580	0	0	0
205-Reinforced Concrete Column	3 - Mod.	20	each	10	8	2	0
	CS2 - Eight of the columns have cracks with some spalls. CS3 The columns between the 3rd and 4th span of the arch have large spalled areas with rusting rebar exposed. Spalls were removed from these columns, with the help of the snooper, in 2021 when the snooper was in the district.						
210-Reinforced Concrete Pier Wall	3 - Mod.	132	ft.	0	112	20	0
	CS2 - The cond CS3 - There ar spalls; rebar in	eas in the p	oier wall	s where reba			erneath the
215-Reinforced Concrete Abutment	3 - Mod.	87	ft.	87	0	0	0
	Lots of graffiti h	as been pa	inted on	both abutme	ents.		
234-Reinforced Concrete Pier Cap	3 - Mod.	609	ft.	609	0	0	0
302-Compression Joint Seal	3 - Mod.	131	ft.	0	131	0	0
	CS2 - All of the underneath the	e expansion		re leaking ca			e damage
	2023 - The consome of the cor						

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	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
321-Reinforced Concrete Approach Slab	3 - Mod.	1600	sq. ft.	1600	0	0	0
	Approach slabs	have been	sealed.				
331-Reinforced Concrete Bridge Railing	3 - Mod.	2266	ft.	1816	450	0	0
	Vandal fence had CS2 - Railing had left concrete railing has	as develope ling has 23	ed symn 5' of ver	netrical vertic tical cracks v	cal cracks wit	h efflorescen	
		_		6	0	0	
815-Drainage	3 - Mod.	6	each	0	U	0	0
815-Drainage 830-Abutment Backwall	3 - Mod. 3 - Mod.	6 87	ft.	69	18	0	0

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Pictures