•	Miller, Jason 03/28/2023		Structure Number	: 1814 USR		
			Facility Carried:			001 (4044700
<u>Ohio Bridge Insp</u>	ection S	ummary Report		<u>CUY-U</u>	0422-13	<u>90L (1814788</u>
2: DistrictDistr 80990 - WA ict 12	RRENSVILLE	HTS (CUY county)	5A: Inventory Ro	oute 1	00422	2
	1 - State High	way Agency /	7: Facility On	USR 422		
225 Routine Main A/B 0 ⁻	1 - State High	way Agency /	6: Feature Ints	SR 175(02	.35)RICHMC	ND RD
	1 - State High	way Agency /	9: Location		ST OF JCT I	
220: Inv. Location DISTR	RICT 12		Lat, Lon	41.429797		,-81.497852
	Conditio	n		Str	ucture Typ	De
58: Deck		ctory Condition	43: Bridge T		eel continuou	
58.01 Wearing Surface		tory (1-10% distress)			-	beam or Girder
58.02 Joint	N- Not App		45 Q N		t Applicable	4.0
59: Superstructure	7 - Good C		45: Spans N			/ 0 e Cast-in-Place
59.01 Paint & PCS 60: Substructure		CS (15-20% corr.)	107: Deck T 408: Compo		U - Unknov	
61: Channel	o - Satisia N		408. Compo 414A Joint T		N - None	VII
61.01 Scour	N - Not Ap	plicable	414B: Joint	• •	N - None	
62: Culverts	N - Not Ap	=	108A: Weari			Concrete (separate
					non-modifie added to st	ed layer of concrete ructural deck)
67.01 GA	6	-			2- MicroSili	
	Appraisa	al	422: WS Dat 423: WS Thi		10/01/1999 1.5	
Sufficiency Rating	98.0	SD/FO 0 - ND	423. WS 111 482: Protect	. ,	6 - Galvani	zod
36: Rail, Tr, Gd, Term Std	1 1		483 PCS D	•	01/01/1992	
72: Approach Alignment	-	present desirable criteria	453: Bearing		0 - Other	
113: Scour Critical	N - Not ove	•	455: Bearing		4 - Elastom	eric (Plain)
71: Waterway Adequacy	N - Not App		528: Foundr		U - Unknov	· · · ·
	Geometr	ic	533: Foundr	: Abut Rear	U - Unknov	/n
48: Max Span Length (ft)		73.0	536: Foundr		U - Unknov	
49: Structure Length (ft)		153.0	539: Foundr	: Pier 2	U - Unknov	/n
52: Deck Width, Out-To-Ou	ut (ft)	66.0		Age	and Serv	се
424: Deck Area (sf) 32: Appr Roadway Width (i	(+)	10098 44.0	27: Year Bui	lt/ 106 Reha	ıb 1971	/ 0000
51: Road Width, Curb-Curk	-	63.0	42A: Service		1 - Highw	
50A: Curb/SW Width: Left	. ,	0	42B: Service	Under	•	ay, with or w/out
		-	004		pedestria	n
50A: Curb/SW Width: Righ	t (ft)	0	28A: Lanes		02	
34: Skew (deg)		17	28B: Lanes 19: Bypass I		02 0	
33: Bridge Median	n n n (ft)	0 - No median	29: ADT	Length	8038	
54B: Min Vert Undercleara		15.92 99	109: % Truc	ks (%)	3	
336A: Min Vert Clrnce IR C 336B: Min V Clr IR Non-Ca	. ,	99 0				
578: Culvert Length (ft)		0		Insp	pections	
g	Load Post	-	90: Routine	Insp	Months 12	03/28/2023
44. On/Dr = 1/01-	Load Post	ing	92A: FCM Ir	•	0	50,20,2020
41: Op/Post/Closed	A - Open or above lega	lloads	92B: Dive In	•	0	
70: Posting 5 - Equal to 70.01: Date	or above lega	IIIUdus	92C: Specia	•	0	
70.02: Sign Type			92D: UBIT II	nsp. N	0	
734: Percent Legal (%)	150		92E: Drone I	nsp. N	0	
704: Analysis Date	07/01/1973		Inspector	Miller,Jason		
63: Analysis Method	7 - Allowable	e Stress (AS) rating report tor (RF) method using MS	ed			

Inspector:	Miller, Jason	Structure Number:	1814788
Inspection Date:	03/28/2023	Facility Carried:	USR 422

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4	
12-Reinforced Concrete Deck	3 - Mod.	10098	sq. ft.	9033	1010	55	0	
	CS2- Cracks, s	ome leachii	ng, some	e delams.				
	CS3- Mottled a	reas. Some	haunch	spalls.				
510-Wearing Surfaces		9639	sq. ft.	2229	5850	1500	60	
	CS2- Many crac cracking. CS3- Wide crac CS4- Asphalt p	ks. Areas c					lerate map	
107-Steel Open Girder/Beam	3 - Mod.	1384	ft.	664	692	28	0	
	CS2- Surface ru				002	20	0	
			0	U				
	CS3- Rusting s					1050	10	
515-Steel Protective Coating	000 0000000	12580	sq. ft.	0	11190	1350	40	
	CS2- Some peeling. Faded areas. CS3- Surface rust, mainly along lower flanges.							
205-Reinforced Concrete Column	CS4- Some pcs 3 - Mod.	failure.	each	2	6	3	1	
	P2C1- ~2 P2C2- ~1 P2C4- ~4 P2C6- ~4 CS3- P1C3- ~1 P1C6- ~1	SF delam SF delam 0 SF delam SF delam SF delam 2 SF delam 5 SF delam 4 SF delam	n , ~3 SF , ~4 SF	spall	+ bars of reb	par exposed		
521-Concrete Protective Coating		2260	sq. ft.	0	0	0	2260	
	CS4- Not effect	ive.						
215-Reinforced Concrete Abutment	3 - Mod.	138	ft.	83	41	14	0	
	CS2- Leaching cracks. Evidence of water leaking thru construction joints with areas of efflorescence. Delams CS3- Spalls. Rust leaching cracks. Wide cracking.							
521-Concrete Protective Coating	COS- Spalls. RU	276	sq. ft.	256	0	0	20	
	CS4- Not effect		0q. n.	200	0	0	20	
234-Reinforced Concrete Pier Cap	3 - Mod.	138	ft.	132	6	0	0	
	CS2- Cracks.							
521-Concrete Protective Coating	CS4- Not effect	1242 ive.	sq. ft.	0	0	0	1242	
310-Elastomeric Bearing	3 - Mod.	18	each	0	18	0	0	
	N//OC	81	- Hach		18			

Inspector:	Miller, Jason	Structure Number:	1814788
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	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
312-Enclosed/Concealed Bearing	3 - Mod.	18	each	18	0	0	0
321-Reinforced Concrete Approach Slab	3 - Mod.	2200	sq. ft.	780	770	300	350
	CS2- Cracks and concrete patches. Moderate map cracking.						
	CS3- Spalls. W	ide cracking].				
	CS4- Failed pat	ches and c	oncrete	break up.			
331-Reinforced Concrete Bridge Railing	3 - Mod.	306	ft.	113	153	40	0
	CS2- Vertical &	horizontal	cracks.	Some delam	S.		
	CS3- Spalls alo	ng outside	rails, so	me with expo	osed rebar.		
521-Concrete Protective Coating		2448	sq. ft.	0	0	0	2448
	CS4- Not effect	ive.					
815-Drainage	3 - Mod.	6	each	6	0	0	0
	Heavy dirt build up along both railings.						
840-Approach Slab: Termination or Joint	3 - Mod.	138	ft.	118	20	0	0
	CS2- Cracks in	asphalt.	-	-		-	-

Inspector	:	Miller, Jason	Str	ucture Number:	1814788	
Inspection	n Date:	03/28/2023	Fac	ility Carried:	USR 422	
ODOT District: Distri	rict 12		CUY-00422-13901	(1814788)		Date Built: 07/01/1971
Major Maint: 01 -	State Highway Age	ency Facility Car	ied: USR 422	Traffic On: 1 - Highway		Rehab Date:
Routine Maint: 01 -	State Highway Age	ency Feature Inte	rs: SR 175(02.35)RICHMOND RD	Traffic Under: 1 - Highway pedestrian	, with or w/out	Insp. 01 - State Highway Agency Resp A:
FIPS Code: 8099	90 - WARRENSVIL	LE HTS (CUY county)	Location: DISTRICT 12	0.4 MI. EAST OF JC	T I-271	Insp Resp B:
	Inspecto	r Miller,Jason	Inspection Date 03/28/2023	B Reviewer Se	eif,Youssef	Resp b.
		Inonoo	har Commonto Do	ak and Anny	aah	

Inspector Comments - Deck and Approach

Deck

Approach

Approach Wearing Surface

Cracks. Areas of asphalt break up and small pothole along forward slab.

Approach Guardrail

Spall to outside of rear-left concrete rail, both forward concrete rails have settled 1", rear-left & both forward concrete rails tip out as much as 2.5".

Inspector Comments - General Appraisal

Superstructure

Diaphragm/X-Frame

Surface rust, cracks & minor spalls to concrete diaphragms.

Fatigue

Welded cover plates at piers.

Utilities

Support cable for utility pole attached to P1C1.

Substructure

Slope Protection

Cracks, uneven settlement, rear slope has slid 2" & rear-left corner is undermined, forward slope has slid 3" & forward-left corner is slightly undermined/buckled, minor spalls, areas of vegetation growing thru CSP.

<u>Culvert</u>

Inspector Comments - Waterway

Inspector: Inspection Date: Miller, Jason 03/28/2023 Structure Number:1814788Facility Carried:USR 422Waterway Adequacy

<u>Channel</u>

Scour Critical

Inspector:	Jason Miller	Structure Number:	1814788
Inspection Date	03/28/2023	Facility Carried:	USR 422
		Bridge Inspection Report	

Pictures