Ohio Bridge Inspection Summary Report

CUY-00422-1597R (1814893)

2: DistricDistr 72928 - SOL ict 12	ON (CUY county)	5A: Inventory Route 1	00422
	- State Highway Agency /	7: Facility On USR 422	
	- State Highway Agency /		ANNON RD)
	- State Highway Agency /	9: Location 3 MI E I-27	
220: Inv. Location DISTR		Lat, Lon 41.409447	
	Condition		ructure Type
58: Deck			
	6 - Satisfactory Condition	0 71	teel continuous Stringer/Multi beem er Girder
58.01 Wearing Surface 58.02 Joint	6 - Satisfactory (1-10% distress)		Stringer/Multi-beam or Girder
59: Superstructure	 4- Poor (heavy leaking, offset) 7 - Good Condition 	45: Spans Main / Appro	ot Applicable ach 3 / 0
59.01 Paint & PCS			1 - Concrete Cast-in-Place
60: Substructure	7 - Good (1-5% corr.) 6 - Satisfactory Condition	107: Deck Type 408: Composite Deck	N - Non-composite Construction
61: Channel	N	400. Composite Deck 414A Joint Type 1	2 - Sliding Metal Plate Angle
61.01 Scour	N - Not Applicable	414B: Joint Type 2	N - None
62: Culverts	N - Not Applicable	108A: Wearing Surface	2 - Integral Concrete (separate
		Toon. Wearing Surface	non-modified layer of concrete added to structural deck)
67.01 GA	6		2- MicroSilica
	Appraisal	422: WS Date 423: WS Thick (in)	07/01/1975 2.0
Sufficiency Rating	98.0 SD/FO 0 - ND		
36: Rail, Tr, Gd, Term Std	1 1 1 0	482: Protective Coating 483: PCS Date	5 - Paint System OZEU 11/07/2009
72: Approach Alignment	8 - Equal to present desirable criteria		2 - Rockers & Bolsters
113: Scour Critical	N - Not over waterway	453: Bearing Type 1 455: Bearing Type 2	N - None
71: Waterway Adequacy	N - Not Applicable	528: Foundn: Abut Fwd	
	Geometric		Concrete Piles (Other diameter)
48: Max Span Length (ft)	75.0	533: Foundn: Abut Rear	· 2 - Cast-in-Place reinforced
49: Structure Length (ft)	185.0	536: Foundn: Pier 1	Concrete Piles (Other diameter) 2 - Cast-in-Place Reinforced Concrete Piles (Other diameter)
52: Deck Width, Out-To-Ou	t (ft) 54.0	539: Foundn: Pier 2	0 - Other
424: Deck Area (sf)	9990	Δα	e and Service
32: Appr Roadway Width (f	t) 42.0	27: Year Built/ 106 Reha	
51: Road Width, Curb-Curb	(ft) 50.5	42A: Service On	1 - Highway
50A: Curb/SW Width: Left (42B: Service Under	1 - Highway, with or w/out pedestrian
50A: Curb/SW Width: Right	: (ft) 0	28A: Lanes on	02
34: Skew (deg)	32	28B: Lanes Under	02
33: Bridge Median	0 - No median	19: Bypass Length	0
54B: Min Vert Undercleara	nce (ft) 14.58	29: ADT	37654
336A: Min Vert Clrnce IR C	ardinal (ft) 99	109: % Trucks (%)	5
336B: Min V Clr IR Non-Ca		Ins	pections
578: Culvert Length (ft)	0	113	Months
	Load Posting	90: Routine Insp.	12 04/15/2022
41: Op/Post/Closed	A - Open	92A: FCM Insp. N	0
	or above legal loads	92B: Dive Insp. N	0
70.01: Date		92C: Special Insp. N	0
70.02: Sign Type		92D: UBIT Insp. N	0
734: Percent Legal (%)	150	92E: Drone Insp. N	0
704: Analysis Date	07/01/1975	Inspector Persanyi,Ar	ndrea
63: Analysis Method	7 - Allowable Stress (AS) rating reported by rating factor (RF) method using MS11 loading.	d	

Bridge Inspection Report

Element Inspection

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12 - Reinforced Concrete Deck	3 - Mod.	9990	sq. ft.	8186	1504	300	0
	CS2- Transverse leaching cracks, delams, slight movement of forward deck end with live load at beams 4 & 5.						
	CS3- Spalls, 5 SF of spalls with 360 degree rebar exposure, a few mottled areas in bay 4 spans 2 & 3.						
510 - Wearing Surfaces		9343	sq. ft.	7702	1401	180	60
	CS2- Transv CS3- Some CS4- Aspha	cracks as	wide as	s 1/8".		oncrete pa	tches.
107 - Steel Open Girder/Beam	3 - Mod.	1260	ft.	1121	13	126	0
	CS2- Minor CS3- Rusted lower flange	d section lo s over NB	oss at s traffic.	[
515 - Steel Protective Coating		14047	sq. ft.	13324	702	21	0
	CS2- Chalkin CS3- Minor	-	erior of f	ascia bear	ns.		
205 - Reinforced Concrete Column	3 - Mod.	8	each	6	2	0	0
	CS2- P2C1- P2C3-	1 SF dela 6 SF dela					
215 - Reinforced Concrete Abutment	3 - Mod.	128	ft.	78	25	25	0
	CS2- Cracks, rust stains, minor delams. CS3- Deep spalls with exposed rebar in forward bays 4 & 5 (one of which undermines 25% of bearing #5). Spall that goes into seat in re- bay 4.						
234 - Reinforced Concrete Pier Cap		128	ft.	128	0	0	0
305 - Assembly Joint without Seal		108	ft.	97	5	6	0
	CS2- A few gouges to forward armor. CS3- Broken/removed riser bar in lane #1 of forward exjt. Rear broat lane line with thru holes.						ar broken
311 - Movable Bearing		21	each	2	13	6	0
313 - Fixed Bearing	CS2- Areas CS3- Areas rockers & ma undermined 3 - Mod.	of rusted s asonry pla	section tes, ap	proximatel			
515 - Fixeu Dealing	5 - WOU.	l (Cacil	l '		0	

Inspector: Andrea Persanyi

04/15/2022

Bridge Inspection Report

Element Inspection

Inspection Date:

321 - Reinforced Concrete Approach Slab	3 - Mod.	2100	sq. ft.	1872	210	15	3
	CS2- Long c	cracks.					•
	CS3- Breaking up areas in lane #2 in both slabs.						
331 - Reinforced Concrete Bridge Railing	3 - Mod.	370	ft.	332	37	1	0
	CS2- A few cracks, collision scrapes & gouges to left rail.						
	CS3- Spall t	o rail.			-		
815 - Drainage	•	o rail.	each	8	0	0	0
815 - Drainage 830 - Abutment Backwall	3 - Mod.		each ft.	8	0 63	0	0
	3 - Mod.	8 128	ft.	62	63	3	0

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ODOT District: District 12 Major Maint: 01 - State Highway Agency Routine Maint: 01 - State Highway Agency FIPS Code: 72928 - SOLON (CUY county)

Feature Inters: CR-99 (CANNON RD)

Facility Carried: USR 422

Traffic Under: 1 - Highway, with or w/out Location: DISTRICT 12

pedestrian 3 MI E I-27

Reviewer Seif, Youssef

Traffic On: 1 - Highway

07/01/1975 Date Built: Rehab Date: Insp. 01 - State Highway Agency Resp A: Insp Resp B:

Inspector Persanyi,Andrea

Inspector Comments - Deck and Approach

Inspection Date 04/15/2022

Deck

Floor (SF)

Spalls Over Traffic - WB lanes in bay 6

EB lanes in bays 2 and 3.

Approach

Approach Wearing Surface (EA)

Cracks, asphalt break up with shallow spalls along both slabs.

Approach Guardrail (EA)

Minor cracks & rust stains to concrete approach rails, collision damage to rear-left & forward-right guardrails.

Inspector Comments - General Appraisal

Superstructure

Diaphragm/X-Frames (EA)

Endframe rusted section loss with thru holes, bent up horizontal angle in bay 5 over NB traffic, horizontal endframe angles cut out in rear bays 3-5.

Fatigue (LF)

Welded cover plates at piers.

Substructure

Slope Protection (EA)

Cracks, uneven settlement, rear-left bottom section has collapsed. Concrete slid as much as 7.5" at rear & as much as 5" at forward, areas of vegetation growing thru csp.

Culvert

Inspector Comments - Waterway

Waterway Adequacy

<u>Channel</u>

Scour Critical