

Inspector: Fowler,Michael
Inspection Date: 04/21/2025

Structure Number: 3801810
Facility Carried: SR 83

Ohio Bridge Inspection Summary Report

HOL-00083-1356 (3801810)

B.L.04: District	District 1164584 - PRAIRIE TWP (HOL county)	5A: Inventory Route	1	00083
B.CL.02: Major Maint	01 - State Highway Agency	7: Facility On	SR 83	
225 Routine Main A/B	01 - State Highway Agency	6: Feature Ints	MARTIANS CREEK	
221 Inspection A/B	01 - State Highway Agency	9: Location	4.35 MI S OF WAYNE CO.	
Condition		Lat, Lon	40.61525	,-81.916761
B.C.01: Deck	5	Structure Type		
58.01: Wearing Surface	6	43: Bridge Type	2 - Concrete continuous	
B.C.08: Joint	N		01 - Slab	
B.C.02: Superstructure	5		N - Not Applicable	
59.01: Paint & PCS	N	45: Spans Main / Approach	3	/ 0
B.C.03: Substructure	4	107: Deck Type	1 - Concrete Cast-in-Place	
B.C.09: Channel	7	408: Composite Deck	U - Unknown	
B.C.11: Scour	6	414A Joint Type 1	N - None	
B.C.10: Channel Prot.	6	414B: Joint Type 2	N - None	
B.C.05: Bridge Railing	6	108A: Wearing Surface	1 - Monolithic Concrete (concurrently placed with structural deck)	
B.C.06: Transitions	6		N - Not Applicable	
B.C.07: Bearings	N	422: WS Date		
B.C.04: Culverts	N	423: WS Thick (in)	1.0	
Ohio GA	4	482: Protective Coating	N - None or Not Applicable	
Appraisal		483: PCS Date		
B.AP.03: Scour Vul.	A - Scour appraisal completed. Bridge determined to be stable for scour.	453: Bearing Type 1	N - None	
Geometric		455: Bearing Type 2	N - None	
48: Max Span Length (ft)	44.0	528: Foundn: Abut Fwd	B - Cast-in-Place Reinforced Concrete Piles (14" diameter)	
49: Structure Length (ft)	116.0	533: Foundn: Abut Rear	B - Cast-in-Place Reinforced Concrete Piles (14" diameter)	
52: Deck Width, Out-To-Out (ft)	32.0	536: Foundn: Pier 1	B - Cast-in-Place Reinforced Concrete Piles (14" diameter)	
424: Deck Area (sf)	3712	539: Foundn: Pier 2	B - Cast-in-Place Reinforced Concrete Piles (14" diameter)	
32: Appr Roadway Width (ft)	36.0	Age and Service		
51: Road Width, Curb-Curb (ft)	32.0	27: Year Built/ 106 Rehab	1983	/ 0000
50A: Curb/SW Width: Left (ft)	0	42A: Service On	1 - Highway	
50A: Curb/SW Width: Right (ft)	0	42B: Service Under	5 - Waterway	
34: Skew (deg)	10	28A: Lanes on	02	
33: Bridge Median	0 - No median	28B: Lanes Under	00	
54B: Min Vert Underclearance (ft)	0	19: Bypass Length	43	
336A: Min Vert Clrnce IR Cardinal (ft)	99	29: ADT	6022	
336B: Min V Clr IR Non-Cardinal (ft)	0	109: % Trucks (%)	8	
578: Culvert Length (ft)	0	Inspections		
Load Posting		90: Routine Insp.	12	07/15/2024
41: Op/Post/Closed	A - Open	92A: FCM Insp.	N	0
70: Posting	5 - Equal to 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 (%)	115	92E: Drone Insp.	N	0
704: Analysis Date	08/22/2023	Inspector	Fowler,Michael	
63: Analysis Method	6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.			

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	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
38-Reinforced Concrete Slab	3 - Mod.	3712	sq. ft.	3418	136	52	106
	DECK EDGES: LEFT- CS4- 45 SF OF SPALL WITH 360 DEGREE REBAR EXPOSURE. CS2- 66 SF CRACKED AND DELAMINATED MOSTLY IN SPAN 2 DECK EDGE. RIGHT- CS4- 61 SF OF SPALL WITH 360 DEGREE REBAR EXPOSURE OR SEVERE SECTION LOSS TO REBAR. CS2- 60 SF OF CR. AND DELAM. AREAS. SPAN 1: CS3- 32 SF OF DARK DISCOLORED AREAS WITH RUST STAINS AT REAR ABUTMENT. SPAN 3: CS2-10SF DAMP AREA AT CL NEAR ABUTMENT. CS3- 20 SF OF DARK DISCOLORED AREAS WITH RUST STAINS AT FWD ABUTMENT INTERFACE.						
805-Wearing Surface - Monolithic Concrete		3712	sq. ft.	2178	1022	512	0
	CS3 - 512 SF of Moderate transverse cracking over piers. CS2- 4 longitudinal cracks at forward end 10' long (4 total = 40 SF). Diagonal crack at left and right forward 5' long (2 total = 10 SF). Minor scaling in wheel lines (928 SF). Minor edge spalls along joints (44 SF).						
215-Reinforced Concrete Abutment	3 - Mod.	65	ft.	0	25	14	26
	REAR: CS4- 2 LF AT LT REAR AND 4 LF AT RT REAR OF SPALL WITH 360 DEGREE REBAR EXPOSURE. CS3- 6 LF AT LT HALF AND 8 LF AT RT HALF HORIZONTAL CRACK WITH HEAVY EFFLO. CS2- REMAINDER OF REAR 12 LF DUE TO HEAVY EFFLO AT DECK INTERFACE. FWD: CS4- 10 LF DEEP SPALL AT LEFT WITH EXPOSED REINFORCEMENT THAT IS 10 INCHES DEEP AT WORST LOCATION. 10 LF DEEP SPALL AT RIGHT WITH EXPOSED REINFORCEMENT THAT IS 7 INCHES DEEP AT WORST LOCATION. CS2- REMAINDER OF FWD 13 LF DUE TO HEAVY EFFLO AT DECK INTERFACE.						
225-Steel Pile	3 - Mod.	12	each	0	12	0	0
	CS2 - Paint failed on lower half of columns with minor corrosion typical and moderate laminate corrosion isolated to water line (12 EA).						
234-Reinforced Concrete Pier Cap	3 - Mod.	65	ft.	32	33	0	0
	CS2 - VERTICAL CRACKS, (REAR = 17 LF, FORWARD = 16 LF).						
321-Reinforced Concrete Approach Slab	3 - Mod.	1080	sq. ft.	871	94	114	1
	REAR: CS3- 50 SF OF SPALLED AREAS MOSTLY DURAPATCHED. CS2- 45 SF OF LONGITUDINAL CRACKS. 4 SF CR. AND DELAM. AROUND POTHOLE IN NB LANE. FWD: CS3- 64 SF OF POTHOLE AREA IN SB LANE MOSTLY PATCHED WITH DURAPATCH CS2- 30 SF OF LONGITUDINAL AND TRANSVERSE CRACKS. 15 SF CR. AND DELAM. AROUND PATCHES.						
330-Metal Bridge Railing	3 - Mod.	232	ft.	208	24	0	0
	Note: Railing is 27" high. CS2 - Left railing has two panels with minor collision damage (24 LF).						

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ODOT District:	District 11	Date Built:	07/01/1983
Major Maint:	01 - State Highway Agency	Facility Carried:	SR 83
Routine Maint:	01 - State Highway Agency	Feature Inters:	MARTIANS CREEK
FIPS Code:	64584 - PRAIRIE TWP (HOL county)	Location:	DISTRICT 11
			4.35 MI S OF WAYNE CO.
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			Reviewer Trivoli,Raymond

Inspector Comments - Deck and Approach

Deck

Approach

Approach Wearing Surface (EA)

New asphalt 2020.

Signs (EA).

All in place.

Approach Joints

Joint material between deck and approach slabs typically missing throughout both joints.

Approach Embankment

1' deep by 1' wide erosion channel at forward right exposes edge of approach slab; however, no undermining noted.

Inspector Comments - General Appraisal

Superstructure

Substructure

Wingwalls (EA)

Right rear wingwall has severe scaling with exposed reinforcement. Forward left wingwall has minor edge spall. Rear left wingwall has moderate edge spall at end and 18" high by 2" wide by 2" deep corner spall with exposed reinforcement adjacent to approach slab.

Slope Protection (EA)

Most slope protection has been washed away or is covered with silt.

Culvert

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Inspector Comments - Waterway

Waterway Adequacy

Hydraulic Opening (EA)

Channel cleaned '10 & 15.

Channel

Channel flows beneath Span 2, mostly along Pier 2.

Scour Critical

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Pictures