

Inspector: Bishop,Dwayne

Inspection Date: 07/29/2025

Structure Number: 3102807

Facility Carried: US50 WB

Ohio Bridge Inspection Summary Report

HAM-00050-1903L (3102807)

B.L.04: District District 0815000 - CINCINNATI (HAM county)

B.CL.02: Major Maint 01 - State Highway Agency /

225 Routine Main A/B 04 - City or Municipal Highway /
Agency

221 Inspection A/B 01 - State Highway Agency /

5A: Inventory Route 1 00050

7: Facility On US50 WB

6: Feature Ints CSRR;NSRR;MILL CR;PRIV D

9: Location 1.2 MI W OF I75

Lat, Lon 39.102011 , -84.546039

Condition

B.C.01: Deck 6

58.01: Wearing Surface 6

B.C.08: Joint 4

B.C.02: Superstructure 6

59.01: Paint & PCS 4

B.C.03: Substructure 7

B.C.09: Channel 7

B.C.11: Scour 7

B.C.10: Channel Prot. N

B.C.05: Bridge Railing

B.C.06: Transitions

B.C.07: Bearings

B.C.04: Culverts N

Ohio GA 6

Appraisal

B.AP.03: Scour Vul. 0 - Scour appraisal has not been completed.

Geometric

48: Max Span Length (ft) 142.8

49: Structure Length (ft) 1049.0

52: Deck Width, Out-To-Out (ft) 47.0

424: Deck Area (sf) 49303

32: Appr Roadway Width (ft) 32.0

51: Road Width, Curb-Curb (ft) 40.0

50A: Curb/SW Width: Left (ft) 9

50A: Curb/SW Width: Right (ft) 0

34: Skew (deg) 5

33: Bridge Median 0 - No median

54B: Min Vert Underclearance (ft) 13

336A: Min Vert Clrnce IR Cardinal (ft) 99

336B: Min V Clr IR Non-Cardinal (ft) 0

578: Culvert Length (ft) 0

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 07/01/1973

63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.

Structure Type

43: Bridge Type 4 - Steel continuous
02 - Stringer/Multi-beam or Girder
N- Not Applicable

45: Spans Main / Approach 10 / 0

107: Deck Type 1 - Concrete Cast-in-Place

408: Composite Deck U - Unknown

414A Joint Type 1 8 - Elastomeric Strip Seal

414B: Joint Type 2 N - None

108A: Wearing Surface 2 - Integral Concrete (separate non-modified layer of concrete added to structural deck)
1 - Super Plasticized Dense Concrete (SDC)

422: WS Date 08/01/2015

423: WS Thick (in) 2.2

482: Protective Coating 4 - Paint System B

483: PCS Date 01/01/1985

453: Bearing Type 1 2 - Rockers & Bolsters

455: Bearing Type 2 N - None

528: Foundn: Abut Fwd 1 - Steel H Piles (Other size)

533: Foundn: Abut Rear 1 - Steel H Piles (Other Size)

536: Foundn: Pier 1 1 - Steel H Piles (Other size)

539: Foundn: Pier 2 1 - Steel H Piles (Other size)

Age and Service

27: Year Built/ 106 Rehab 1965 / 0000

42A: Service On 5 - Highway-pedestrian

42B: Service Under 7 - Railroad - waterway

28A: Lanes on 04

28B: Lanes Under 00

19: Bypass Length 0

29: ADT 23928

109: % Trucks (%) 6

Inspections

B.IE.03 Routine Insp. 12 Months 07/23/2025

B.IE.03: NSTM Insp. Y 24 09/26/2025

B.IE.03: UW Insp. Y 72 07/17/2024

B.IE.03: Special Insp.

UBIT Insp. Y 24 07/23/2025

Drone Insp. N 0

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	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
515-Steel Protective Coating		2943	sq. ft.	1404	1407	126	6
	CS2: Fading and chalking. CS3 and CS4: Areas of corrosion on interior and exterior surfaces, heaviest at ends.						
205-Reinforced Concrete Column	3 - Mod.	17	each	0	4	13	0
	CS2: Some hl vertical cracks and minor shallow spalls to columns, sealed over. CS3s: Defects noted from Scope work, PID 114515 stored in I Drive dated 6/4/2025 Spalls/delams Pier 1 columns- 21 sf Pier 2 columns- 3 sf Pier 3 columns- 35 sf Pier 4 columns- 6 sf Pier 7 columns- 64.5 sf Pier 8 columns- 1 sf Pier 9 columns- 3 sf Total= 133.3 sf A total of 13 column						
521-Concrete Protective Coating		23120	sq. ft.	23120	0	0	0
215-Reinforced Concrete Abutment	3 - Mod.	95	ft.	84	8	3	0
	CS2: A few hl cracks sealed/painted over. CS3: Fwd., at G-3, top edge of wall, spall at top edge between girders 1 @ 2. Shallow spall up from ground from old homeless fire sealed over.						
234-Reinforced Concrete Pier Cap	3 - Mod.	500	ft.	403	37	60	0
	CS2: HL vertical cracks, small spalls. CS3: 2025: Defects noted from Scope work, PID 114515 stored in I Drive dated 6/4/2025 Spalls/delams Pier 1- 45 sf Pier 3 - 58 sf Pier 7 - 52 sf Pier 9 - 4 sf Total =159 SF converted and carried an additional 50 lf to CS3.						
521-Concrete Protective Coating		4000	sq. ft.	4000	0	0	0
300-Strip Seal Joint	3 - Mod.	470	ft.	180	112	178	0
	CS2: Rusting to plates. Cracks in concrete headers. CS3: Leakage, 93lf. 3rd joint, completely tore. 1 & 2 partially tore . Spall in right fwd. header. Underneath, excessive rusting to steel, heavy cracking and efflor. 3sf spall in FWD header.						
311-Movable Bearing	3 - Mod.	76	each	35	12	29	0
	CS2: Some have no nuts on studs at masonry plates. Light rust on several rockers.P-3 bearings 1-3 and 5-8 rusting. CS3: Several have pitting and some loss of section to masonry plates. Pack rust around fascia rockers, one with pack rust bending plate. Fwd. abutment bearings 1-3 and 6 have pack rust. 29 bearings have heavy rust.						
313-Fixed Bearing	3 - Mod.	14	each	8	6	0	0
	CS2: Rust initiating on several bearings.						
321-Reinforced Concrete Approach Slab	3 - Mod.	1920	sq. ft.	1558	300	62	0
	CS2: Lt rear has a few unsealed longitudinal and transverse cracks. CS3: A wide crack at fwd. close to a sound patch. Few longitudinal cracks in rear slab .06" wide.						

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