

Inspector: Fowler,Michael

Inspection Date: 04/23/2025

Structure Number: 3800512

Facility Carried: SR 39

Ohio Bridge Inspection Summary Report

HOL-00039-1716 (3800512)

B.L.04: District District 11 50372 - MILLERSBURG (HOL 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 00039
 7: Facility On SR 39
 6: Feature Ints KILLBUCK CREEK
 9: Location 6.50 MI E OF JCT. SR 754
 Lat, Lon 40.554339 ,-81.9225

Condition

B.C.01: Deck 8
 58.01: Wearing Surface 5
B.C.08: Joint 7
B.C.02: Superstructure 6
 59.01: Paint & PCS 7
B.C.03: Substructure 4
B.C.09: Channel 5
B.C.11: Scour 7
B.C.10: Channel Prot. 5
B.C.05: Bridge Railing 7

B.C.06: Transitions 7
B.C.07: Bearings 5

B.C.04: Culverts N
Ohio GA 4

Structure Type

43: Bridge Type 4 - Steel continuous
 02 - Stringer/Multi-beam or Girder
 N- Not Applicable
 45: Spans Main / Approach 3 / 0
 107: Deck Type 1 - Concrete Cast-in-Place
 408: Composite Deck Y - Composite Construction
 414A Joint Type 1 3 - Compression Seal
 414B: Joint Type 2 N - None
 108A: Wearing Surface 1 - Monolithic Concrete
 (concurrently placed with structural deck)
 N - Not Applicable

Appraisal

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

422: WS Date
 423: WS Thick (in) 1.2
 482: Protective Coating 5 - Paint System OZEU
 483: PCS Date 01/01/1992
 453: Bearing Type 1 3 - Sliding (Bronze)
 455: Bearing Type 2 C - Elastomeric (laminated)
 528: Foundn: Abut Fwd A - Cast-in-Place Reinforced Concrete Piles (12" diameter)
 533: Foundn: Abut Rear A - Cast-in-Place Reinforced Concrete Piles (12" diameter)
 536: Foundn: Pier 1 A - Cast-in-Place Reinforced Concrete Piles (12" diameter)
 539: Foundn: Pier 2 N - None (Such as most Culverts)

Geometric

48: Max Span Length (ft) 60.0
 49: Structure Length (ft) 161.0
 52: Deck Width, Out-To-Out (ft) 43.0
 424: Deck Area (sf) 6923

 32: Appr Roadway Width (ft) 48.0
 51: Road Width, Curb-Curb (ft) 36.0
 50A: Curb/SW Width: Left (ft) 6
 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

Age and Service

27: Year Built/ 106 Rehab 1950 / 1991
 42A: Service On 5 - Highway-pedestrian
 42B: Service Under 5 - Waterway
 28A: Lanes on 02
 28B: Lanes Under 00
 19: Bypass Length 20
 29: ADT 9171
 109: % Trucks (%) 8

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 02/06/2023
 63: Analysis Method 8 - Load and Resistance Factor Rating (LRFR) rating report by rating factor (RF) method using HL-93 loadings.

Inspections

	Months	
90: Routine Insp.	12	08/15/2024
92A: FCM Insp.	N	0
92B: Dive Insp.	N	0
92C: Special Insp.	N	0
92D: UBIT Insp.	N	0
92E: Drone Insp.	N	0
		05/01/2023

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	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12-Reinforced Concrete Deck	3 - Mod.	6921	sq. ft.	6381	540	0	0
	CS2- RANDOM MAP CRACKING MOSTLY ABOVE CROSS FRAMES 540 SF.						
805-Wearing Surface - Monolithic Concrete		5796	sq. ft.	4511	1285	0	0
	CS2- LONGITUDINAL & TRANSVERSE CRACKING. TRANSVERSE CRACKS SOME 4' - 6' SPACING. MUCH ABRASION IN LT LANE WITH MAJORITY OF THE TINING WORE OFF.						
107-Steel Open Girder/Beam	3 - Mod.	1127	ft.	934	175	18	0
	CS2- MINOR PAINT FAILURE ON FWD BEAM LOWER FLANGES AND OUTSIDE OF FASCIA BEAMS FROM DRAINAGE. CS3 - MINOR PITTING/SECTION LOSS ON B3 AT FWD ABUTMENT (5LF). BEAM ENDS AT ABUTMENT CROSS FRAME CONNECTIONS SHOW MINOR SECTION LOSS (13LF)						
515-Steel Protective Coating		10603	sq. ft.	10150	350	0	103
	CS2- DETERIORATION AT BEAM ENDS AND FRECKLED RUST ON BOTTOM FLANGES. CS4- AREAS OF PAINT FAILURE MOSTLY AT BEAM ENDS (1%).						
205-Reinforced Concrete Column	3 - Mod.	4	each	0	2	1	1
	CS4- PIER 1 COLUMN 2 HAS REBAR EXPOSED ON FWD FACE (FULL WIDTH) AND ALSO MANY CRACKED AND DELAMINATED AREAS. CS3- PIER 2 COLUMN 2 HAS 2 SPALLS WITH REBAR EXPOSED.						
215-Reinforced Concrete Abutment	3 - Mod.	106	ft.	53	53	0	0
	CS2 -ENTIRE REAR ABUTMENT CS2 CRACKED AND DELAMINATED. DELAM COULD EASILY BE KNOCKED OFF BETWEEN B4 AND B5						
234-Reinforced Concrete Pier Cap	3 - Mod.	86	ft.	68	0	0	18
	CS4- P CAP 2 AT RT SIDE TOP EDGE REAR FACE HAS A 10 LF SPALL WITH 5 VERTICALS AND 1 HORIZONTAL BAR EXPOSED (BAY 5 AND 6). P CAP 2 LT FWD FACE UNDER BEAM 2 HAS A 8 LF SPALL WITH 2 VERTICAL AND 1 HORIZONTAL REBAR EXPOSED. NOTE: CS2- 6 LF HORIZONTAL CRACK IN BAY 2 REAR FACE OF PCAP 2 NOT QUANTIFIED DUE TO SAME LF AS CS4 CONDITION. HISTORICAL COMMENT: SPALL AT P2 LEFT REMOVED 2023. 4-5" OF PIER COVER REMAIN BEFORE REACHING B2 BEARING						
302-Compression Joint Seal	3 - Mod.	36	ft.	14	6	16	0
	CS3- 16 LF POT HOLE ON TOP OF BACKWALL NEAR COMPRESSION SEAL AT REAR. CS2- 6 LF OF SMALL POP OUTS AT FWD HEADER.						
310-Elastomeric Bearing	3 - Mod.	14	each	6	5	3	0
	ELASTOMERICS AT FWD AND REAR ABUTMENTS. REAR: CS2- BEARING 1, 2, AND 7, HAVE MINOR CORROSION TO SOLE PLATE. FWD: CS3- BEARING 2, 3, AND 4, HAVE A BROKEN WELD TO THE SOLE PLATE. CS2- BEARING 5 AND 6 HAVE RUST TO THE SOLE PLATE.						
311-Movable Bearing	3 - Mod.	7	each	7	0	0	0
	PIER 1.						
313-Fixed Bearing	3 - Mod.	7	each	7	0	0	0
	PIER 2.						

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321-Reinforced Concrete Approach Slab	3 - Mod.	1440	sq. ft.	1383	30	27	0
REAR: CS3- 8 SF OF POTHOLES ON RT HALF AND 3 SF ON LT REAR HALF. CS2- 15 SF LONGITUDINAL CRACK. FWD: CS3- 16 SF OF POTHOLES MOSTLY ON RT HALF. CS2- 15 SF LONGITUDINAL CRACK.							
330-Metal Bridge Railing	3 - Mod.	322	ft.	322	0	0	0
RAIL IS 27 INCHES HIGH.							
331-Reinforced Concrete Bridge Railing	3 - Mod.	161	ft.	150	11	0	0
CS2- 11 LF OF VERTICAL CRACKS.							
815-Drainage	3 - Mod.	1	each	1	0	0	0
830-Abutment Backwall	3 - Mod.	86	ft.	78	8	0	0
CS2- 8 LF OF VERTICAL CRACKS AT REAR.							

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ODOT District: District 11

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Date Built: 07/01/1950

Major Maint: 01 - State Highway Agency

Facility Carried: SR 39

Traffic On: 5 - Highway-pedestrian

Rehab Date: 01/01/1991

Routine Maint: 04 - City or Municipal Highway Agency

Feature Inters: KILLBUCK CREEK

Traffic Under: 5 - Waterway

Insp. Resp A: 01 - State Highway Agency

FIPS Code: 50372 - MILLERSBURG (HOL county)

Location: DISTRICT 11

6.50 MI E OF JCT. SR 754

Insp
Resp B:

Inspector

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Reviewer Trivoli,Raymond

Inspector Comments - Deck and Approach

Deck

Approach

Approach Wearing Surface (EA)

NEW ASPHALT '18. 2021 INSP: BREAKING AT REAR FWD APPROACH JOINT.

2024: POTHOLE AT LT REAR DECK JT. MAP CRACKING AT REMAINDER OF DECK JOINT AT REAR AND FWD. 2025 SAME CONDITION.

Inspector Comments - General Appraisal

Superstructure

Diaphragm/X-Frames (EA)

SPAN 2 BENT CROSSFRAMES (SEE PHOTOS) WELDS ARE OK.

Fatigue (LF)

BEAM WELDS INTERIOR BEAMS OVER PIERS.

Substructure

Substructure Scour (EA)

HIGH WATER IN 2019. 2022 INSP: HIGH WATER. 2025 HIGH WATER.

Slope Protection (EA)

THERE IS NO STONE PROTECTION. SIGNIFICANT EROSION ON RIGHT SIDE. WASHING OUT AROUND CONC GUTTERS AT REAR. TREES GROWING AT EDGES AND UP OVER THE RAIL AT LT FWD.

Culvert

Inspector Comments - Waterway

Waterway Adequacy

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Channel

Scour Critical

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Pictures