

Inspector: Jewell, Todd
 Inspection Date: 07/02/2024

Structure Number: 1000500
 Facility Carried: 00039

Ohio Bridge Inspection Summary Report

CAR-00039-1815 (1000500)

2: District 12896 - CENTER TWP (CAR county)
 District 11

5A: Inventory Route 1 00039

21: Major Maint A/B 01 - State Highway Agency /
 225 Routine Main A/B 01 - State Highway Agency /
 221 Inspection A/B 01 - State Highway Agency /
 220: Inv. Location DISTRICT 11

7: Facility On 00039
 6: Feature Ints FRIDAY CREEK
 9: Location 00.07 M W OF CR 00021
 Lat, Lon 40.5814990 , -81.0305640

Condition	
58: Deck	N - Not Applicable
58.01 Wearing Surface	N - Not Applicable
58.02 Joint	N - Not Applicable
59: Superstructure	N - Not Applicable
59.01 Paint & PCS	N - Not Applicable
60: Substructure	N - Not Applicable
61: Channel	7
61.01 Scour	6 - Satisfactory
62: Culverts	4 - Large spalls, heavy scaling, wide cracks
67.01 GA	4

Structure Type	
43: Bridge Type	1 - Concrete
	19 - Culvert (includes frame culverts)
	Blank
45: Spans Main / Approach	1 / 0
107: Deck Type	N - Not Applicable
408: Composite Deck	
414A Joint Type	1
414B: Joint Type	2
108A: Wearing Surface	0 - None

Appraisal	
Sufficiency Rating	53.4 SD/FO 1 - SD
36: Rail, Tr, Gd, Term Std	N N 1 1
72: Approach Alignment	8 - Equal to present desirable criteria
113: Scour Critical	5 - Scour within limits of footing or piles
71: Waterway Adequacy	7 - Slight Chance of Overtopping Bridge

422: WS Date
 423: WS Thick (in)
 482: Protective Coating
 483: PCS Date
 453: Bearing Type 1
 455: Bearing Type 2
 528: Foundn: Abut Fwd
 533: Foundn: Abut Rear
 536: Foundn: Pier 1
 539: Foundn: Pier 2

Geometric	
48: Max Span Length (ft)	16.0
49: Structure Length (ft)	16.0
52: Deck Width, Out-To-Out (ft)	0000
424: Deck Area (sf)	432
32: Appr Roadway Width (ft)	27
51: Road Width, Curb-Curb (ft)	0000
50A: Curb/SW Width: Left (ft)	0
50A: Curb/SW Width: Right (ft)	0
34: Skew (deg)	60
33: Bridge Median	0 - No median
54B: Min Vert Underclearance (ft)	000
336A: Min Vert Clrnce IR Cardinal (ft)	99.999
336B: Min V Clr IR Non-Cardinal (ft)	99.999
578: Culvert Length (ft)	85.0

Age and Service	
27: Year Built/ 106 Rehab	1927 / 0000
42A: Service On	1 - Highway
42B: Service Under	5 - Waterway
28A: Lanes on	02
28B: Lanes Under	00
19: Bypass Length	5
29: ADT	2700
109: % Trucks (%)	7

Load Posting	
41: Op/Post/Closed	P - Posted for Load
70: Posting	1 - 30.0-39.9% below legal loads
70.01: Date	09/21/2021
70.02: Sign Type	2- R12-H7 ("Emergency Vehicle Weight Limit", Axle Count, 2 trucks)
734: Percent Legal (%)	70
704: Analysis Date	12/20/2019
63: Analysis Method	6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.

Inspections		
	Months	
90: Routine Insp.	12	07/02/2024
92A: FCM Insp.	N	0
92B: Dive Insp.	N	0
92C: Special Insp.		
92D: UBIT Insp.	N	0
92E: Drone Insp.	N	0
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	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
241-Reinforced Concrete Culvert	1 - Ben.	85	ft.	17	0	25	43
<p>CS3 - (25LF) AREAS OF MAP CR. AND DELAM. W/DARK AREAS. ON TOP OF SLAB.</p> <p>CS4 - (15LF) REAR ABUTMENT HAS MAP CR./EFF. AT LEFT END.</p> <p>CS4 - (28LF) LARGE VERT. AND DIA. CR. IN ABUTMENT WALLS (1/2") OPEN CR. W/MINOR ROTATION FWD-ABUT: 1/4" OPEN CR. IN W/NO ROTATION IN REAR ABUT. REAR ABUTMENT HAS MAP CR. W/EFF. AT LEFT END. TOP SLAB HAS MAJOR CR. THAT COINCIDE W/ ABUTMENT WALLS. SEVERAL LOCATIONS OF MINOR VERT. SETTLEMENT.</p>							
835-Culvert End Treatment	1 - Ben.	6	each	2	0	0	4
<p>CS4 - (1EA.) LEFT HEADWALL HS SIGNIFICANT SECTION LOSS W/EXPOSED REBAR, SCALING AND MAP CR. W/EFF.</p> <p>CS4 - (1EA.) LEFT /FWD HEADWALL HAS HEAVY SPALLING ON TOP W/DETERIORATION W/SOME REBAR EXPOSED.</p> <p>CS4 - (1EA.) RIGHT REAR SEPERATED FROM HEADWALL AT LEAST 6" STARTING TO SHOW SIGNS OF SLIPPING.</p> <p>CS4 - (1EA) RT. FWD. HAS CR. THRU AND IS SEPERATED FROM ABUTMENT ABOUT 6" W/4" OF ROTATION.</p>							
845-Roadway Over Structure	1 - Ben.	1	each	0	1	0	0
<p>CS2 - (1EA) LONG. CR. MOSTLY IN THE LEFT LANE.</p>							

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ODOT District: District 11

CAR-00039-1815_(1000500)

Date Built: 01/01/1927

Major Maint: 01 - State Highway Agency

Facility Carried: 00039

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 01 - State Highway Agency

Feature Inters: FRIDAY CREEK

Traffic Under: 5 - Waterway

Insp. 01 - State Highway Agency

FIPS Code: 12896 - CENTER TWP (CAR county)

Location: DISTRICT 11

00.07 M W OF CR 00021

Resp A:

Inspector

Jewell,Todd

Inspection Date 07/02/2024

Reviewer Trivoli,Raymond

Insp

Resp B:

Inspector Comments - Deck and Approach

Deck

Approach

Inspector Comments - General Appraisal

Superstructure

Substructure

Culvert

Culvert Scour (EA)

Scour: Forward wall top of footing exposed (28 feet) at right forward end. Probed thru soft material down side, no undermining (note shallow foundations).

2023 Inspection: Identical findings to previous inspections

PROBED 7-2-2025, NO CHANGE

Inspector Comments - Waterway

Waterway Adequacy

Channel

HYDRAULIC OPENING (EA)

OUTLET CLOGGED WITH VEGETATION, FULL WIDTH AT BRIDGE.

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2023 Inspection: Findings match previous inspection

EMBANKMENT (EA)

Embankment: right forward corner slumping and sliding into channel partially due to headwall damage.

2023 Inspection: Findings match previous inspection.

Scour Critical

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Pictures