

Inspector: Jewell,Todd
 Inspection Date: 01/27/2025

Structure Number: 1502200
 Facility Carried: US 30

Ohio Bridge Inspection Summary Report

COL-00030-3126 (1502200)

2: District 69512 - SAINT CLAIR TWP (COL county)
 District 11

5A: Inventory Route 1 00030

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

7: Facility On US 30
 6: Feature Ints CARPENTER'S RUN
 9: Location 0.2 MILES EAST OF SR 170
 Lat, Lon 40.662316 ,-80.590073

Condition	Structure Type
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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 4 61.01 Scour 4 - Poor or Advanced Scour (Spread: no undermining, Deep: Piles may be visible) 62: Culverts 3 - As in 4 but excessive 67.01 GA 3	43: Bridge Type 3 - Steel 19 - Culvert (includes frame culverts) N- Not Applicable 45: Spans Main / Approach 1 / 0 107: Deck Type N - Not Applicable 408: Composite Deck X - Not Applicable 414A Joint Type 1 N - None 414B: Joint Type 2 108A: Wearing Surface 6 - Bituminous 5 - Asphalt
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Appraisal

Sufficiency Rating 49.7 SD/FO 1 - SD
 36: Rail, Tr, Gd, Term Std N N N N
 72: Approach Alignment 6 - Equal to present minimum criteria
 113: Scour Critical 5 - Scour within limits of footing or piles
 71: Waterway Adequacy 6 - Occasional Overtopping of Approaches

Age and Service

422: WS Date
 423: WS Thick (in) 3.0
 482: Protective Coating N - None or Not Applicable
 483: PCS Date
 453: Bearing Type 1 Blank
 455: Bearing Type 2 Blank
 528: Foundn: Abut Fwd N - None (Such as most Culverts)
 533: Foundn: Abut Rear N - None (such as most Culverts)
 536: Foundn: Pier 1 N - None (Such as most Culverts)
 539: Foundn: Pier 2 N - None (Such as most Culverts)

Geometric

48: Max Span Length (ft) 21.1
 49: Structure Length (ft) 21.1
 52: Deck Width, Out-To-Out (ft) 82
 424: Deck Area (sf) 1730.2
 32: Appr Roadway Width (ft) 82
 51: Road Width, Curb-Curb (ft) 82
 50A: Curb/SW Width: Left (ft) 0
 50A: Curb/SW Width: Right (ft) 0
 34: Skew (deg) 73
 33: Bridge Median 3 - Closed median with non-mountable barriers
 54B: Min Vert Underclearance (ft) 0
 336A: Min Vert Clrnce IR Cardinal (ft) 99
 336B: Min V Clr IR Non-Cardinal (ft) 99
 578: Culvert Length (ft) 1532

Inspections

27: Year Built/ 106 Rehab 1963 / 0000
 42A: Service On 1 - Highway
 42B: Service Under 5 - Waterway
 28A: Lanes on 04
 28B: Lanes Under 00
 19: Bypass Length 3
 29: ADT 13000
 109: % Trucks (%) 20

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 (%) 108
 704: Analysis Date 02/07/2025
 63: Analysis Method 8 - Load and Resistance Factor Rating (LRFR) rating report by rating factor (RF) method using HL-93 loadings.

Inspections

90: Routine Insp.	12	Months	01/27/2025
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	
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	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
240-Steel Culvert	3 - Mod.	1532	ft.	0	0	0	1532
<p>CS4- (1532LF) EXTENSIVE HEAVY RUST AND SCALING THROUGHOUT. PERFORATIONS/HOLES 98% OF THE STEEL CONDUIT BOTTOM. AREAS OF EXTREME DEFLECTION AT MANY LOCATIONS. FLATTENING AT THE TOP OF ARCH. AREAS OF LARGE VOIDS UNDER THE BOT. OF CONDUIT. CONDUITS THAT DRAIN INTO MAIN CULVERT HAVE LARGE VOIDS AT THESE LOCATIONS WASHING OUT THE EMBANKMENT FROM AREAS THAT STEEL CONDUIT IS MISSING.</p>							
835-Culvert End Treatment	3 - Mod.	2	each	2	0	0	0
845-Roadway Over Structure	3 - Mod.	4	each	0	3	1	0
<p>1 EA WB RAMP, WB MAINLINE, EB RAMP, EB MAINLINE.</p> <p>CS2- (3EA) TRANS AND LONG. CRACK WITH MINOR WEARING OF ROADWAY.</p> <p>CS3 - (1EA) SMALL DIP IN EB MAINLINE OVER CULVERT, NEAR MEDIAN INLET.</p>							

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Facility Carried: US 30

ODOT District: District 11

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Date Built: 10/31/1963

Major Maint: 01 - State Highway Agency

Facility Carried: US 30

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 01 - State Highway Agency

Feature Inters: CARPENTER'S RUN

Traffic Under: 5 - Waterway

Insp. Resp A: 01 - State Highway Agency

FIPS Code: 69512 - SAINT CLAIR TWP (COL county)

Location:

0.2 MILES EAST OF SR 170

Insp Resp B: 01 - State Highway Agency

Inspector

Jewell,Todd

Inspection Date 01/27/2025

Reviewer Trivoli,Raymond

Inspector Comments - Deck and Approach

Deck

Approach

Inspector Comments - General Appraisal

Superstructure

Substructure

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

Scour Critical

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Pictures