

Inspector: Gerstenslager,Michael  
 Inspection Date: 07/26/2022

Structure Number: 1807994  
 Facility Carried: IR 90 EB AND WB

Bridge Inspection Report

**Ohio Bridge Inspection Summary Report**

**CUY-00090-0206 (1807994)**

2: District 83622 - WESTLAKE (CUY county)  
 District 12

5A: Inventory Route 1 00090

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 12

7: Facility On IR 90 EB AND WB  
 6: Feature Ints CAHOON CREEK  
 9: Location 1.13 MI E.BASSET RD INTER  
 Lat, Lon 41.467117 ,-81.929536

Condition	Structure Type
-----------	----------------

**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** **7 - Good**  
**62: Culverts** **5 - Moderate to major deterioration**  
**67.01 GA** **5**

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 N - None  
 108A: Wearing Surface N - NA  
 N- Not Applicable

Appraisal
-----------

Sufficiency Rating 72.0 SD/FO 0 - ND  
 36: Rail, Tr, Gd, Term Std N N N N  
 72: Approach Alignment 8 - Equal to present desirable criteria  
 113: Scour Critical 8 - Stable for scour conditions  
 71: Waterway Adequacy 8 - Bridge Above Approaches

422: WS Date  
 423: WS Thick (in) 0.0  
 482: Protective Coating N - None or Not Applicable  
 483: PCS Date  
 453: Bearing Type 1 N - None  
 455: Bearing Type 2 N - None  
 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) 17.0  
 49: Structure Length (ft) 17.0  
 52: Deck Width, Out-To-Out (ft) 0.0  
 424: Deck Area (sf) 1224  
 32: Appr Roadway Width (ft) 72.0  
 51: Road Width, Curb-Curb (ft) 0.0  
 50A: Curb/SW Width: Left (ft) 0  
 50A: Curb/SW Width: Right (ft) 0  
 34: Skew (deg) 30  
 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) 216

Age and Service
-----------------

27: Year Built/ 106 Rehab 1971 / 0000  
 42A: Service On 1 - Highway  
 42B: Service Under 5 - Waterway  
 28A: Lanes on 04  
 28B: Lanes Under 00  
 19: Bypass Length 0  
 29: ADT 85748  
 109: % Trucks (%) 5

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 07/01/2002  
 63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18

Inspections
-------------

	<i>Months</i>	
90: Routine Insp.	12	07/26/2022
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	

Inspector Gerstenslager,Michael

**Inspector:** Gerstenslager, Michael  
**Inspection Date:** 07/26/2022

**Structure Number:** 1807994  
**Facility Carried:** IR 90 EB AND WB

**Bridge Inspection Report**

loading.

**Inspector:** Gerstenslager, Michael  
**Inspection Date:** 07/26/2022

**Structure Number:** 1807994  
**Facility Carried:** IR 90 EB AND WB

**Bridge Inspection Report**

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>240-Steel Culvert</b>	3 - Mod.	216	ft.	0	150	64	2
<p>CS2 - Areas of rusting section loss, heavier near invert. 2' diameter bulge with 6" max downward vertical displacement of CMP at 12:00 (15' from outlet) &amp; 1' diameter bulge at 1:00 (16' from outlet). Water infiltration with efflorescence &amp; rusting at some bolt holes. Missing bolt at 12:00 (125' from inlet).</p> <p>CS3 - Areas of heavier rusting section loss, mostly near invert and bolt connections.</p> <p>CS4 - Through holes in CMP where 6" diameter conduit enters at 1:00 (100' from inlet). Two 3" diameter thru holes in CMP at 11:30 (15' upstream from 6" conduit).</p>							
<b>835-Culvert End Treatment</b>	3 - Mod.	2	each	0	2	0	0
<p>CS2 - Cracks, spalls to east half of inlet &amp; outlet headwalls at CMP. Other deterioration to inlet walls.</p>							
<b>845-Roadway Over Structure</b>	3 - Mod.	1	each	0	1	0	0
<p>CS2 - Cracks.</p>							

**Inspector:** Gerstenslager,Michael  
**Inspection Date:** 07/26/2022

**Structure Number:** 1807994  
**Facility Carried:** IR 90 EB AND WB

**Bridge Inspection Report**

ODOT District: District 12

**CUY-00090-0206\_(1807994)**

Date Built: 07/01/1971

Major Maint: 01 - State Highway Agency

Facility Carried: IR 90 EB AND WB

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 01 - State Highway Agency

Feature Inters: CAHOON CREEK

Traffic Under: 5 - Waterway

Insp. 01 - State Highway Agency

FIPS Code: 83622 - WESTLAKE (CUY county)

Location: DISTRICT 12

1.13 MI E.BASSET RD INTER

Resp A:

Insp

Resp B:

Inspector

Gerstenslager,Michael

Inspection Date 07/26/2022

Reviewer Seif,Youssef

**Inspector Comments - Deck and Approach**

**Deck**

**Approach**

**Inspector Comments - General Appraisal**

**Superstructure**

**Substructure**

**Culvert**

**Culvert Scour**

Stream falls 12", approximately 10' north of outlet.

**Inspector Comments - Waterway**

**Waterway Adequacy**

**Channel Hydraulic Opening**

Rocks & sediment inside culvert and hanging vegetation at inlet block <5%.

**Channel**

**Scour Critical**

**Inspector:** Michael Gerstenslager

**Structure Number:** 1807994

**Inspection Date:** 07/26/2022

**Facility Carried:** IR 90 EB AND WB

**Bridge Inspection Report**

**Pictures**