

Inspector: Ropelewski,Robert

Inspection Date: 06/07/2023

Structure Number: 1807994

Facility Carried: IR 90 EB AND WB

Ohio Bridge Inspection Summary Report

CUY-00090-0206 (1807994)

2: District 83622 - WESTLAKE (CUY county)
ict
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	
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

Structure Type	
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 loading.

Inspections		
	Months	
90: Routine Insp.	12	06/07/2023
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.	216	ft.	0	146	64	6
<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) & 1' diameter bulge at 1:00 (16' from outlet). Water infiltration with efflorescence & 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>							
835-Culvert End Treatment	3 - Mod.	2	each	0	2	0	0
<p>CS2 - Cracks, spalls to east half of inlet & outlet headwalls at CMP. Other deterioration to inlet walls.</p>							
845-Roadway Over Structure	3 - Mod.	1	each	0	1	0	0
<p>CS2 - Cracks.</p>							

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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. Resp A: 01 - State Highway Agency

FIPS Code: 83622 - WESTLAKE (CUY county)

Location: DISTRICT 12

1.13 MI E.BASSET RD INTER

Insp

Inspector

Ropelewski,Robert

Inspection Date 06/07/2023

Reviewer Seif,Youssef

Resp B:

Inspector Comments - Deck and Approach

Deck

Approach

Inspector Comments - General Appraisal

Superstructure

Substructure

Culvert

Culvert Scour

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

Channel Hydraulic Opening

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

Inspector Comments - Waterway

Waterway Adequacy

Channel

Scour Critical

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Pictures