

Inspector: Ropelewski,Robert

Inspection Date: 02/25/2025

Structure Number: 1805223

Facility Carried: IR 71

## Ohio Bridge Inspection Summary Report

**CUY-00071-1640 (1805223)**

B.L.04: District District 1216000 - CLEVELAND (CUY county)  
B.CL.02: Major Maint 01 - State Highway Agency /  
225 Routine Main A/B 01 - State Highway Agency /  
221 Inspection A/B 01 - State Highway Agency /

5A: Inventory Route 1 00071  
7: Facility On IR 71  
6: Feature Ints W&LE RR  
9: Location 1.11 MI. S. OF JCT. US-42  
Lat, Lon 41.452961 ,-81.721431

### Condition

**B.C.01: Deck** 6  
58.01: Wearing Surface 7  
**B.C.08: Joint** 9  
**B.C.02: Superstructure** 6  
59.01: Paint & PCS N  
**B.C.03: Substructure** 7  
**B.C.09: Channel** N  
**B.C.11: Scour** N  
**B.C.10: Channel Prot.** N  
**B.C.05: Bridge Railing** 5  
**B.C.06: Transitions** 8  
**B.C.07: Bearings** 8  
**B.C.04: Culverts** N  
**Ohio GA** 6

### Appraisal

B.AP.03: Scour Vul. Not over Waterway

### Geometric

48: Max Span Length (ft) 55.0  
49: Structure Length (ft) 147.0  
52: Deck Width, Out-To-Out (ft) 146.0  
424: Deck Area (sf) 21462  
32: Appr Roadway Width (ft) 142.0  
51: Road Width, Curb-Curb (ft) 144.0  
50A: Curb/SW Width: Left (ft) 0  
50A: Curb/SW Width: Right (ft) 0  
34: Skew (deg) 24  
33: Bridge Median 1 - Open median  
54B: Min Vert Underclearance (ft) 22.17  
336A: Min Vert Clrnce IR Cardinal (ft) 99  
336B: Min V Clr IR Non-Cardinal (ft) 0  
578: Culvert Length (ft) 0

### 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 (%) 140  
704: Analysis Date 12/07/2023  
63: Analysis Method 8 - Load and Resistance Factor Rating (LRFR) rating report by rating factor (RF) method using HL-93 loadings.

### Structure Type

43: Bridge Type 2 - Concrete continuous  
01 - Slab  
N- Not Applicable  
45: Spans Main / Approach 3 / 0  
107: Deck Type 1 - Concrete Cast-in-Place  
408: Composite Deck N - Non-composite Construction  
414A Joint Type 1 8 - Elastomeric Strip Seal  
414B: Joint Type 2 N - None  
108A: Wearing Surface 4 - Low Slump Concrete  
2 - Ultra High Performance Concrete (UHPC)  
422: WS Date 05/31/2003  
423: WS Thick (in) 2.5  
482: Protective Coating N - None or Not Applicable  
483: PCS Date  
453: Bearing Type 1 0 - Other  
455: Bearing Type 2 N - None  
528: Foundn: Abut Fwd 1 - Steel H Piles (Other size)  
533: Foundn: Abut Rear 1 - Steel H Piles (Other size)  
536: Foundn: Pier 1 1 - Steel H Piles (Other size)  
539: Foundn: Pier 2 1 - Steel H Piles (Other size)

### Age and Service

27: Year Built/ 106 Rehab 1967 / 0000  
42A: Service On 1 - Highway  
42B: Service Under 2 - Railroad  
28A: Lanes on 08  
28B: Lanes Under 00  
19: Bypass Length 2  
29: ADT 63912  
109: % Trucks (%) 3

### Inspections

90: Routine Insp. *Months* 12  
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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[illegible]

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|                                 | Environment  | Total Quantity | Units   | Condition State 1 | Condition State 2 | Condition State 3 | Condition State 4 |
|---------------------------------|--|----------------|---------|-------------------|-------------------|-------------------|-------------------|
| 521-Concrete Protective Coating |  | 5292           | sq. ft. | 4342              | 0                 | 0                 | 950               |
|                                 | CS4- CPC is not effective                                      |                |         |                   |                   |                   |                   |
| <b>815-Drainage</b>             | 3 - Mod.   | 4              | each    | 4                 | 0                 | 0                 | 0                 |
|                                 | Scuppers have been intentionally plugged per 2002 rehab plans. |                |         |                   |                   |                   |                   |

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ODOT District: District 12

**CUY-00071-1640 \_(1805223)**

Date Built: 07/01/1967

Major Maint: 01 - State Highway Agency

Facility Carried: IR 71

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 01 - State Highway Agency

Feature Inters: W&LE RR

Traffic Under: 2 - Railroad

Insp. 01 - State Highway Agency

FIPS Code: 16000 - CLEVELAND (CUY county)

Location: DISTRICT 12

1.11 MI. S. OF JCT. US-42

Insp  
Resp B:

Inspector

Ropelewski,Robert

Inspection Date 02/25/2025

Reviewer Seif,Youssef

## **Inspector Comments - Deck and Approach**

### **Deck**

### **Approach**

#### **Approach Wearing Surface**

New at 2025 inspection

#### **Approach Guardrail**

New at 2025 inspection

#### **Signs**

No bridge end markers.

## **Inspector Comments - General Appraisal**

### **Superstructure**

### **Substructure**

#### **Wingwalls**

Large compression spalls with 360° rebar exposure to rear-left & forward-left wingwalls.

#### **Slope Protection**

Areas of new dump rock at 2025 inspection

### **Culvert**

## **Inspector Comments - Waterway**

### **Waterway Adequacy**

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**Channel**

**Scour Critical**

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### Pictures