

Inspector: Shelman,Erin

Inspection Date: 03/27/2025

Structure Number: 1830236

Facility Carried: TRISKETT RD CR 228

**Ohio Bridge Inspection Summary Report****CUY-C0228-01.34 (1830236)**

B.L.04: District District 1216000 - CLEVELAND (CUY county)

B.CL.02: Major Maint 02 - County Highway Agency /

225 Routine Main A/B 02 - County Highway Agency /

221 Inspection A/B 02 - County Highway Agency /

5A: Inventory Route 1 14665

7: Facility On TRISKETT RD CR 228

6: Feature Ints N&amp;S RR &amp; RTA

9: Location 7207 FT N OF LORAIN RD

Lat, Lon 41.464439 , -81.7863

**Condition****B.C.01: Deck 7**

58.01: Wearing Surface 7

**B.C.08: Joint N****B.C.02: Superstructure 6**

59.01: Paint &amp; PCS 5

**B.C.03: Substructure 6****B.C.09: Channel N****B.C.11: Scour N****B.C.10: Channel Prot.****B.C.05: Bridge Railing 8****B.C.06: Transitions 9****B.C.07: Bearings N****B.C.04: Culverts N****Ohio GA 6****Appraisal**

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

**Geometric**

48: Max Span Length (ft) 92.0  
 49: Structure Length (ft) 229.2  
 52: Deck Width, Out-To-Out (ft) 59.6  
 424: Deck Area (sf) 13660.32  
 32: Appr Roadway Width (ft) 60.0  
 51: Road Width, Curb-Curb (ft) 48.0  
 50A: Curb/SW Width: Left (ft) 5  
 50A: Curb/SW Width: Right (ft) 5  
 34: Skew (deg) 46  
 33: Bridge Median 0 - No median  
 54B: Min Vert Underclearance (ft) 22  
 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 (%) 150  
 704: Analysis Date 03/30/2013  
 63: Analysis Method 6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.

**Structure Type**

43: Bridge Type 3 - Steel  
 07 - Frame (except frame culverts)  
 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 4 - Poured

414B: Joint Type 2 N - None

108A: Wearing Surface 1 - Monolithic Concrete (concurrently placed with structural deck)

N - Not Applicable

422: WS Date 12/20/2007

423: WS Thick (in) 1.25

482: Protective Coating 0 - Other Paint

483: PCS Date 06/01/2003

453: Bearing Type 1 1 - Rollers

455: Bearing Type 2 N - None

528: Foundn: Abut Fwd 4 - Spread Footing (on soil)

533: Foundn: Abut Rear 4 - Spread Footing (on Soil)

536: Foundn: Pier 1 4 - Spread Footing (on soil)

539: Foundn: Pier 2 N - None (Such as most Culverts)

**Age and Service**

27: Year Built/ 106 Rehab 1936 / 1979

42A: Service On 5 - Highway-pedestrian

42B: Service Under 2 - Railroad

28A: Lanes on 04

28B: Lanes Under 00

19: Bypass Length 2

29: ADT 4461

109: % Trucks (%) 7

**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

Inspector Shelman,Erin

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## Bridge Inspection Report

### Executive Summary

REAR = WEST

Inspection Zone: B

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**Inspection Date:** 03/27/2025

**Facility Carried:** TRISKETT RD CR 228

ODOT District: District 12

**CUY-C0228-01.34\_(1830236)**

Date Built: 07/01/1936

Major Maint: 02 - County Highway Agency

Facility Carried: TRISKETT RD CR 228

Traffic On: 5 - Highway-pedestrian

Rehab Date: 01/01/1979

Routine Maint: 02 - County Highway Agency

Feature Inters: N&S RR & RTA

Traffic Under: 2 - Railroad

Insp. 02 - County Highway  
Resp A: Agency

FIPS Code: 16000 - CLEVELAND (CUY county)

Location: CUY

7207 FT N OF LORAIN RD

Insp  
Resp B:

Inspector

Shelman,Erin

Inspection Date 03/27/2025

Reviewer Hazimihalis, Demetrios

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

### **Deck**

### **Floor/Slab**

Scattered hairline, damp/wet and leach stained cracks in most bays of all three (3) spans.

### **Bridge Wearing Surface**

Tight map cracks throughout.

- **REAR:** LONGL/diagonal cracks in both lanes along the skew of the EXP JT. Transverse cracks over the piers.
- **Midspan:** Evidence of ponding at both curbs.
- **FWD-LEFT:** Corner has six (6) diagonal cracks.
- **FWD-RIGHT:** Corner has three (3) TRANS/diagonal cracks.

### **Curbs/Sidewalk**

#### **Curbs:**

- **Both:** Plates are scraped, corroded at butt splices and along the WS.

#### **Sidewalks:**

- **LEFT:** Short transverse cracks at curb plate butt splices up to 1' in length.

### **Bridge Railing**

Numerous cracks and 1" diameter pop-outs on inside face of both parapets (< 1% of surface area).

- **LEFT:** Scattered shrinkage cracks under posts.
- **RIGHT:** Scattered small spalls/DELAM in top and interior faces totaling 10 SF.

### **Expansion Joint**

Poured joint on rigid frame structure. Do not rate. Place appropriate comments.

Compression seal loose/unsecure:

- **REAR-LEFT:** 2' long.
- **FWD-RIGHT:** 4' long.

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**Both:** Scattered chips along the APPR slab and WS up to 2" wide and 2" deep maximum. The 1" compression seal is open 1/2".

### Approach

## Approach Wearing Surface

Scattered LONGL/transverse cracks up to full length/width; some sealed.

**Sidewalks:** Numerous panels are settled along curb up to 1-1/2". Seal between sidewalks and curbs have failed and have vegetation growing in them at all four (4) APPR walks.

## Approach Slab

- **REAR:** Lightly scaled.
- **REAR-LEFT:** Retaining wall shifted out (North) 1-1/2" from sidewalk.
- **FWD:** Lightly scaled. Cracked around the MH cover.

### **Sidewalk:**

- **FWD-LEFT:** Utility cut out is heaved 1-1/2".

### **Curb:**

- **REAR-LEFT:** Scattered corrosion at top of curb plate.
- **REAR-RIGHT:** Cracked/spalled/DELAM 32" long.
- **FWD-LEFT:** DELAM 1 SF.

## Approach Relief Joint

Both PRJs have spalls in the curbs and are cracked along the APPR slabs.

- **REAR:** Cracked with minor spalls along the APPR slab (LTV: 12' x 6" x 1").
- **FWD:** Chipped along entire APPR slab up to 1" long x 1" deep.

## Approach Embankment

- **FWD-RIGHT:** Settled/eroded ~9" at end of BTA, undermining (LTV: 6' x 4" x Up to 9").

### Inspector Comments - General Appraisal

#### Superstructure

## Beams/Girders

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Concrete encasement of all the lower arched sections of rigid frame at ABUTs have hairline diagonal cracks on each side along the edges of the steel frame. Concrete encasement on scattered BMs cracked along edge of lower flange and/or DELAM in the following areas:

### Span 1:

- **BM 2:** Spall at REAR end ~8' long. DELAM at P1 extends into patch on cantilever with a 1 SF spall on the RIGHT face of the cantilever.
- **BM 8:** Bottom edge (Portion over RTA) spalled exposing one (1) corroded REINF.
- **BM 9:** Bottom face and both edges cracked/DELAM for almost the entire length of the BM. Spall at midspan 1 SF.

### Span 2:

- **BM 1:** DELAM at P1 ~1 SF.
- **BM 2:** Numerous spall/DELAMs on the BM encasement in diaphragm bays 1-7 totaling ~9 SF (worst at bay 6).
- **BM 5: Diaphragm 2:** Spalled ~2 SF on bottom edge.
- **BM 5:** Spall at P2 ~1 SF exposing one (1) REINF.
- **BM 8:** DELAMs at diaphragms bays 3-6 up to ~6 SF.

**Span 3:** Concrete encasement has spalled off ~40% of bottom face of BMs (Exposed portions of BMs were coated during 2006 rehab). Scattered corrosion on bottom face of exposed rivets.

## Diaphragm/X-Frames

- **REAR:** Bottom face at ABUT diaphragm is honeycombed/DELAM/spalled for 31' x up to 6" wide. Scattered cracks/DELAM on bottom face encasement in all three (3) spans.

### Span 1:

- **ALL:** Bottom face spalled ~1 SF at BMs.

### Span 2:

- **Bay 2, diaphragm 2:** DELAM ~2 SF. Bottom face spalled off ~5 SF with three (3) corroded REINF exposed.
- **Bay 2, diaphragm 6:** Bottom face is spalled with a DELAM, one (1) exposed REINF.
- **Bay 4, diaphragm 4:** Spalled ~4 SF exposing three (3) corroded REINF.
- **Bay 4, diaphragm 1:** Spalled along bottom face ~2 SF.
- **Bay 5, diaphragm 6:** Spalled along bottom face at BM 6 ~1 SF exposing two (2) REINF.
- **Bay 5, diaphragm 7:** Spalled ~2 SF at BM 5 exposing corroded REINF.
- **Bay 7, diaphragm 4:** Spalled ~3 SF exposing three (3) corroded REINF.
- **Bay 7, diaphragm 6:** Spalled ~3 SF on the West edge exposing one (1) corroded REINF.

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**Span 3:** Scattered spalls and transverse cracks.

## **Protective Coating System**

Scattered areas of exposed BMs are corroded:

**Span 1:** BM 2, 3, 5 and 8.

**Span 3:** BM 2-6 and 8. Moderate corrosion with scattered areas of small flakes on those BMs.

## **Utilities**

- **REAR:** Water line in Bay 1 is leaking on to BW.
- **FWD:** Water line in Bay 1 is leaking (Orange-ish water color).

### **Substructure**

## **Abutment Walls**

- **Both:** Scattered leach stained cracks, small spalls/DELAMs most along vertical CJ.
- **FWD:** Sealer peeling in scattered areas.

## **Abutment Columns/Bents**

- **REAR:** Scattered leach stained cracks, small spalls and DELAMs along vertical CJ from REINF too close to the surface. Column 7, North face is spalled at base 2 SF x 2-1/2" deep exposing corroded REINF.
- **FWD:** Scattered leach stained cracks, small spalls/DELAMs along vertical CJ from REINF too close to the surface and a total of 25 SF of spalls/DELAMs.

Coating bubbled, cracked and/or failing on scattered areas of patching on both ABUTs.

## **Pier Caps**

Scattered cracks, DELAMs. Coating is peeling from fascia sections.

- **P1:** End face of both cantilevers on column 2, have a vertical crack/DELAM along one corner extending into the column and BMs. Span 2, column 1 cantilever end face is cracked/DELAM/spalled and the coating has failed.
- **P2:** RIGHT face, of Span 2 cantilever at column 2, has a minor open crack ~1' from bottom edge. LEFT face, exterior face is cracked, spalled/DELAM ~2 SF.

## **Pier Columns/Bents**

Vertical cracks along entire WEST face on columns:

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- **P1:** Multiple faces of all columns are hollow sounding, minor cracking in scattered areas (Worst: Column 2, South face cracked/DELAM, hanging DELAM near top. Column 8, South face at corner with West face is DELAM). Span 2, column 1, Southeast corner is cracked and has a hanging DELAM.
- **P2:** Multiple faces of all columns are hollow sounding. Column 8 has three (3) faces with large open cracks and/or are DELAM. Column 9 has 30 SF spall/DELAM areas on RIGHT and FWD faces.

## **Wingwalls**

- **REAR-RIGHT:** East end face spall/DELAM 15 SF.
- **FWD-LEFT:** West end face at the ABUT has spalls/DELAMs totaling 24 SF up to 4" deep.

## **Slope Protection**

- **FWD:** Minor rutting/rill erosion.

### **Culvert**

### **Inspector Comments - Waterway**

#### **Waterway Adequacy**

#### **Channel**

#### **Scour Critical**