

Inspector: Lentz,Stephanie

Inspection Date: 02/25/2025

Structure Number: 0900052

Facility Carried: MILLIKIN ROAD CR-2

## Ohio Bridge Inspection Summary Report

**BUT-0004B-0575 (0900052)**

B.L.04: District District 0825984 - FAIRFIELD TWP (BUT county)

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

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

221 Inspection A/B 01 - State Highway Agency /

5A: Inventory Route 1 00022

7: Facility On MILLIKIN ROAD CR-2

6: Feature Ints STATE ROUTE 4-B

9: Location .22 MILES SOUTH OF SR-4

Lat, Lon 39.406269 , -84.502461

### Condition

**B.C.01: Deck** 6

58.01: Wearing Surface 5

**B.C.08: Joint** 6

**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.**

**B.C.05: Bridge Railing**

**B.C.06: Transitions**

**B.C.07: Bearings**

**B.C.04: Culverts** N

**Ohio GA** 6

### Appraisal

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

### Geometric

48: Max Span Length (ft) 93.0  
49: Structure Length (ft) 236.5  
52: Deck Width, Out-To-Out (ft) 36.3  
424: Deck Area (sf) 8584.95  
32: Appr Roadway Width (ft) 33.0  
51: Road Width, Curb-Curb (ft) 33.0  
50A: Curb/SW Width: Left (ft) 0  
50A: Curb/SW Width: Right (ft) 0  
34: Skew (deg) 0  
33: Bridge Median 0 - No median  
54B: Min Vert Underclearance (ft) 25  
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 04/12/2024  
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 5 - Prestressed concrete  
05 - Box Beam or Girders - Multiple  
N- Not Applicable  
45: Spans Main / Approach 3 / 0  
107: Deck Type 1 - Concrete Cast-in-Place  
408: Composite Deck Y - Composite Construction  
414A Joint Type 1 8 - Elastomeric Strip Seal  
414B: Joint Type 2 N - None  
108A: Wearing Surface 1 - Monolithic Concrete (concurrently placed with structural deck)  
N - Not Applicable

422: WS Date

423: WS Thick (in) 1.0

482: Protective Coating B - Epoxy - Urethane sealers

483: PCS Date 01/01/2000

453: Bearing Type 1 C - Elastomeric (laminated)

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 2000 / 0000  
42A: Service On 1 - Highway  
42B: Service Under 1 - Highway, with or w/out pedestrian  
28A: Lanes on 02  
28B: Lanes Under 02  
19: Bypass Length 1  
29: ADT 6540  
109: % Trucks (%) 6

### 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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ODOT District: District 08

**BUT-0004B-0575 \_ (0900052)**

Date Built: 07/01/2000

Major Maint: 02 - County Highway Agency

Facility Carried: MILLIKIN ROAD CR-2

Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 02 - County Highway Agency

Feature Inters: STATE ROUTE 4-B

Traffic Under: 1 - Highway, with or w/out pedestrian

Insp. Resp A: 01 - State Highway Agency

FIPS Code: 25984 - FAIRFIELD TWP (BUT county)

Location: DISTRICT 08

.22 MILES SOUTH OF SR-4

Insp  
Resp B:

Inspector

Lentz,Stephanie

Inspection Date 02/25/2025

Reviewer Collett,Brandon

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

### **Deck**

#### **Concrete Deck**

Evidence of leakage between beams. HL cracks visible in exterior fascia of OS beams. Few small spalls; beam 4 at fwd. abutment and rear, beam 9, with one strand exposed.

#### **Bridge Wearing Surface**

HL pattern map cracking throughout surface. ("4" rating based on map cracking throughout surface but there is no evidence of surface pulling away or delaming. 2022; sounded random areas with hammer.) Small shallow spalls along joint steel.

#### **Bridge Railing**

Vertical cracks in both rails with horizontal crack along top of lower haunch. Aggregate pops, cracks at post mountings and some light staining.

#### **Drainage**

#### **Expansion Joint**

HL cracks in slab headers, some debris in glands.

### **Approach**

#### **Approach Wearing Surface**

Narrow potholes, with cracking at, along fwd. pvmt/appr joint, transverse and longitudinal cracks. Profile of asphalt low at slab, some rutting in fwd. area. Rear has newer asphalt. Settlement at both ends along slabs has caused some map cracking.

#### **Approach Slabs**

Longitudinal cracks rear and fwd., one up to 1/16" wide fwd. Narrow spalls and impact damage at header and pavement joints.

#### **Approach Embankment**

Minor pavement settlement along approach slab ends. Some signs of base failure mainly at rear.

#### **Approach Guardrail**

Right rear, one panel has minor dent, one block turned. Left fwd., 2 panels damaged and one steel post

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moved.

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## **Inspector Comments - General Appraisal**

### **Superstructure**

#### **Beams/Girders**

Some evidence of seepage through beams in random areas, some small areas of saturation. Leakage: Span 1 between beams 4-9. Span 2 between beams 4-6 and span 3 between beams 2, 3 and 6-8. HL vertical and horizontal cracks to exterior faces of OS beams at rear and fwd. ends and over piers. Small spall in beam 4 at fwd. abutment and beam 9, over rear abutment with one strand exposed.

#### **Bearings Devices**

Slight movement of few bearing pads.

#### **Protective Coating System**

Sides and approx. 10" of left and right floor edges sealed with epoxy. Epoxy sealer peeling on railing, WW's and some columns.

### **Substructure**

#### **Abutments**

HL vertical cracks, some efflor. rear and fwd.

#### **Pier Columns**

HL cracks to few columns, some with staining. Shallow spall, scrape to col. 3, pier 2. Pier CapsHL vertical and diagonal/shear cracks over OS columns.

#### **Wingwalls**

Minor random hairline cracks. Sealer peeling to WW tops.

### **Culvert**

## **Inspector Comments - Waterway**

### **Waterway Adequacy**

### **Channel**

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**Scour Critical**

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### Pictures