

Inspector: Krazl, David  
Inspection Date: 02/24/2023

Structure Number: 0900052  
Facility Carried: MILLIKIN ROAD CR-2

## Ohio Bridge Inspection Summary Report

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

2: District 25984 - FAIRFIELD TWP (BUT county)  
ict  
08

5A: Inventory Route 1 00022

21: Major Maint A/B 02 - County Highway Agency /  
225 Routine Main A/B 02 - County Highway Agency /  
221 Inspection A/B 01 - State Highway Agency /  
220: Inv. Location DISTRICT 08

7: Facility On MILLIKIN ROAD CR-2  
6: Feature Ints STATE ROUTE 4-B  
9: Location .22 MILES SOUTH OF SR-4  
Lat, Lon 39.40626930922 , -84.502458834264

Condition		Structure Type	
58: Deck	6 - Satisfactory Condition	43: Bridge Type	5 - Prestressed concrete
58.01 Wearing Surface	4 - Poor (advanced)		05 - Box Beam or Girders - Multiple
58.02 Joint	6- Satisfactory (isolated leaking)		N- Not Applicable
59: Superstructure	6 - Satisfactory Condition	45: Spans Main / Approach	3 / 0
59.01 Paint & PCS	N - Not Applicable	107: Deck Type	1 - Concrete Cast-in-Place
60: Substructure	7 - Good Condition	408: Composite Deck	Y - Composite Construction
61: Channel	N	414A Joint Type 1	8 - Elastomeric Strip Seal
61.01 Scour	N - Not Applicable	414B: Joint Type 2	N - None
62: Culverts	N - Not Applicable	108A: Wearing Surface	1 - Monolithic Concrete (concurrently placed with structural deck)
			N- Not Applicable
67.01 GA	6		

Appraisal	
Sufficiency Rating	93.3 SD/FO 2 - FO
36: Rail, Tr, Gd, Term Std	1 1 1 1
72: Approach Alignment	8 - Equal to present desirable criteria
113: Scour Critical	N - Not over waterway
71: Waterway Adequacy	N - Not Applicable

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	07/01/2001

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	
	Months
90: Routine Insp.	12 02/24/2023
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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63: Analysis Method      6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.

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[illegible]

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02/24/2023

0900052

MILLIKIN ROAD CR-2

[illegible]

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ODOT District: District 08

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

Date Built: 07/01/2000

Major Maint: 02 - County Highway Agency

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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

Krazl, David

Inspection Date

02/24/2023

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.

#### **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.

#### **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 jnt, transverse and longitudinal cracks. Profile of asphalt low at slab, some rutting in fwd. area. Rear has newer asphalt.

#### **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. (Rear has newer overlay.)

#### **Approach Guardrail**

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

## **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**

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 Caps**

HL vertical and diagonal/shear cracks over OS columns.

#### **Wingwalls**

Minor random hairline cracks. Sealer peeling to WW tops.

### **Culvert**

## **Inspector Comments - Waterway**

### **Waterway Adequacy**

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**Channel**

**Scour Critical**

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### Pictures