

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)

67.01 GA

6

Appraisal		422: WS Date	
Sufficiency Rating	93.3 SD/FO 2 - FO	423: WS Thick (in)	1.0
36: Rail, Tr, Gd, Term Std	1 1 1 1	482: Protective Coating	B - Epoxy - Urethane sealers
72: Approach Alignment	8 - Equal to present desirable criteria	483: PCS Date	01/01/2000
113: Scour Critical	N - Not over waterway	453: Bearing Type 1	C - Elastomeric (laminated)
71: Waterway Adequacy	N - Not Applicable	455: Bearing Type 2	N - None
Geometric		528: Foundn: Abut Fwd	4 - Spread Footing (on soil)
48: Max Span Length (ft)	93.0	533: Foundn: Abut Rear	4 - Spread Footing (on Soil)
49: Structure Length (ft)	236.5	536: Foundn: Pier 1	4 - Spread Footing (on soil)
52: Deck Width, Out-To-Out (ft)	36.3	539: Foundn: Pier 2	N - None (Such as most Culverts)
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		

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

Load Posting		Inspections	
41: Op/Post/Closed	A - Open	90: Routine Insp.	Months 12 03/15/2022
70: Posting	5 - Equal to or above legal loads	92A: FCM Insp.	N 0
70.01: Date		92B: Dive Insp.	N 0
70.02: Sign Type		92C: Special Insp.	N 0
734: Percent Legal (%)	150	92D: UBIT Insp.	N 0
704: Analysis Date	07/01/2001	92E: Drone Insp.	N 0
63: Analysis Method	6 - Load Factor (LF) rating reported by rating factor (RF) method using MS18 loading.	Inspector	Lentz, Stephanie

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

Element Inspection

[illegible]

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Element Inspection

234 - Reinforced Concrete Pier Cap	3 - Mod.	73	ft.	70	3	0	0
	CS2: HL vertical and diagonal cracks in caps over OS columns.						
300 - Strip Seal Expansion Joint	3 - Mod.	72	ft.	27	45	0	0
	CS2: Medium debris in glands, not effecting performance. HL cracking in header @ a few shallow spalls.						
310 - Elastomeric Bearing	3 - Mod.	72	each	69	3	0	0
	CS2: Beam 1 at It fwd, bearing pad moved in towards BW, approx half of bearing pad out from under beam 1, no noticeable change from last inspection. (Same in 2019 @ 2020)						
321 - Reinforced Concrete Approach Slab	3 - Mod.	1650	sq. ft.	1334	291	25	0
	CS2: Longitudinal cracks <.05in wide, rear with trans and longi cracks in fwd slab. A couple narrow spalls, fwd. Left fwd slab side exposed at pavement jnt from water runoff. Impact damage to slabs at pvmt joints due to low profile of asphalt. CS3: One longi crack fwd, .06" wide.						
331 - Reinforced Concrete Bridge Railing	3 - Mod.	473	ft.	0	473	0	0
	CS2: Vertical cracks between deflection joints, horizontal cracking along top of bottom bevel area. Vertical and diagonal cracks around post anchor bolts. Numerous shallow aggregate popouts. Sealer peeling at fwd railing @ tops of railings. HL horiz cracks on outside face around VPF bases. Some light rust staining evident.						
815 - Drainage	3 - Mod.	2	each	0	2	0	0
	CS2: Some debris buildup along railings. Water standing along lft fwd railing.						
830 - Abutment Backwall	3 - Mod.	73	ft.	62	11	0	0
	CS2: Vertical,horiz cracks visible at corners of BW close to WW joints, with efflor buildup.						

ODOT District: District 08

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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. 01 - State Highway Agency

FIPS Code: 25984 - FAIRFIELD TWP (BUT county)

Location: DISTRICT 08

.22 MILES SOUTH OF SR-4

Resp A:

Insp

Resp B:

Inspector

Lentz, Stephanie

Inspection Date 03/15/2022

Reviewer Meyer, Jeff

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

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

Channel

Scour Critical

Inspector: Stephanie Lentz
Inspection Date: 03/15/2022

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

Bridge Inspection Report

Pictures