

Inspector: Krazl,David

Inspection Date: 05/28/2024

Structure Number: 0901816

Facility Carried: SR 129

Ohio Bridge Inspection Summary Report**BUT-00129-2561C (0901816)**2: District 43050 - LIBERTY TWP (BUT county)
ict
08

5A: Inventory Route 1 00129

21: Major Maint A/B 02 - County Highway Agency /02

225 Routine Main A/B 01 - State Highway Agency /

221 Inspection A/B 01 - State Highway Agency /

220: Inv. Location DISTRICT 08

7: Facility On SR 129

6: Feature Ints RP F;RP J;HOSPITAL DR

9: Location 0.14 MI W COX RD

Lat, Lon 39.373372 , -84.362831

Condition		Structure Type	
58: Deck	8 - Very Good Condition	43: Bridge Type	4 - Steel continuous
58.01 Wearing Surface	8 - Very Good (isolated or minor problems)		02 - Stringer/Multi-beam or Girder
58.02 Joint	9- Excellent		N- Not Applicable
59: Superstructure	9 - Excellent Condition	45: Spans Main / Approach	2 / 0
59.01 Paint & PCS	9 - Excellent	107: Deck Type	1 - Concrete Cast-in-Place
60: Substructure	9 - Excellent 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	
62: Culverts	N - Not Applicable	108A: Wearing Surface	1 - Monolithic Concrete (concurrently placed with structural deck)

67.01 GA 9

Appraisal	
Sufficiency Rating	97.8 SD/FO 0 - ND
36: Rail, Tr, Gd, Term Std	1 1 1 1
72: Approach Alignment	9 - Superior to present desirable criteria
113: Scour Critical	N - Not over waterway
71: Waterway Adequacy	N - Not Applicable

422: WS Date	11/25/2022
423: WS Thick (in)	1.0
482: Protective Coating	
483: PCS Date	11/25/2022
453: Bearing Type 1	C - Elastomeric (laminated)
455: Bearing Type 2	
528: Foundn: Abut Fwd	3 - Drilled Shafts
533: Foundn: Abut Rear	3 - Drilled Shafts
536: Foundn: Pier 1	3 - Drilled Shafts
539: Foundn: Pier 2	

Geometric	
48: Max Span Length (ft)	155.4
49: Structure Length (ft)	311.0
52: Deck Width, Out-To-Out (ft)	79.6
424: Deck Area (sf)	24755.6
32: Appr Roadway Width (ft)	73.3
51: Road Width, Curb-Curb (ft)	73.5
50A: Curb/SW Width: Left (ft)	0
50A: Curb/SW Width: Right (ft)	0
34: Skew (deg)	53
33: Bridge Median	3 - Closed median with non-mountable barriers
54B: Min Vert Underclearance (ft)	16.33
336A: Min Vert Clrnce IR Cardinal (ft)	99
336B: Min V Clr IR Non-Cardinal (ft)	99
578: Culvert Length (ft)	0

Age and Service	
27: Year Built/ 106 Rehab	2022 / 0000
42A: Service On	1 - Highway
42B: Service Under	1 - Highway, with or w/out pedestrian
28A: Lanes on	04
28B: Lanes Under	04
19: Bypass Length	01
29: ADT	12910
109: % Trucks (%)	1

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	08/03/2020
63: Analysis Method	F - Assigned rating based on Load and Resistance Factor Design (LRFD) reported by Rating Factor (RF) using

Inspections	
90: Routine Insp.	Months 12 05/28/2024
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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HL93 loadings

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	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
12-Reinforced Concrete Deck	3 - Mod.	24312	sq. ft.	24186	126	0	0
	CS2: Transverse cracking with minor efflor. span 2. Span 1, bay 4, near rear, 1 sf area of seepage (oil) with exposed coated steel.						
805-Wearing Surface - Monolithic Concrete		24312	sq. ft.	23971	341	0	0
	CS2, Few small gouges in wearing surface, westbound outside lane.						
107-Steel Open Girder/Beam	3 - Mod.	2727	ft.	2727	0	0	0
	A588 weathered steel, PCS at the beam ends						
515-Steel Protective Coating		41031	sq. ft.	41028	3	0	0
	A588 weathered steel, PCS at the beam ends. CS2: Beam 6, span 2 and close to splice plate, appears to be an area of flaking rust.						
205-Reinforced Concrete Column	3 - Mod.	9	each	9	0	0	0
521-Concrete Protective Coating		3052	sq. ft.	3052	0	0	0
215-Reinforced Concrete Abutment	3 - Mod.	253	ft.	247	6	0	0
	2024- Paint scrapes from collision at right rear abut. CS2: HL vertical cracks in both abutments one with efflor. in fwd. abutment.						
521-Concrete Protective Coating		2530	sq. ft.	2530	0	0	0
234-Reinforced Concrete Pier Cap	3 - Mod.	132	ft.	131	1	0	0
	CS2: Hole from form work left unfilled.						
521-Concrete Protective Coating		628	sq. ft.	628	0	0	0
300-Strip Seal Expansion Joint	3 - Mod.	159	ft.	124	35	0	0
	CS2: Some debris in glands. Sealed cracks in fwd. header.						
310-Elastomeric Bearing	3 - Mod.	27	each	27	0	0	0
321-Reinforced Concrete Approach Slab	3 - Mod.	2880	sq. ft.	2670	210	0	0
	CS2: Sealed and unsealed longitudinal cracks in EB slab lanes.						
331-Reinforced Concrete Bridge Railing	3 - Mod.	608	ft.	608	0	0	0
	Few minor scrapes from construction.						
521-Concrete Protective Coating		4864	sq. ft.	4864	0	0	0
815-Drainage	3 - Mod.	2	each	2	0	0	0
830-Abutment Backwall	3 - Mod.	253	ft.	253	0	0	0
521-Concrete Protective Coating		1012	sq. ft.	1012	0	0	0

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ODOT District: District 08

Major Maint: 02 - County Highway Agency

Routine Maint: 01 - State Highway Agency

FIPS Code: 43050 - LIBERTY TWP (BUT county)

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Feature Inters: RP F;RP J;HOSPITAL DR

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Location: DISTRICT 08

Inspection Date 05/28/2024

Traffic On: 1 - Highway

Traffic Under: 1 - Highway, with or w/out pedestrian
0.14 MI W COX RD

Reviewer Meyer,Jeff

Date Built: 11/25/2022

Rehab Date:

Insp. 01 - State Highway Agency
Resp A:
Insp
Resp B:

Inspector Comments - Deck and Approach

Deck

Floor/Slab

Transverse cracking with minor efflor. span 2. Span 1, bay 4, near rear, 1sf area of seepage (oil) with exposed coated steel.

Bridge Wearing Surface

Few small gouges in wearing surface, westbound outside lane. Sealed and unsealed cracks, heaviest in WB lanes. Pavement markings light and worn.

Bridge Railing

Few minor scrapes from construction.

Deck Drainage

Expansion Joint

Debris in glands. Sealed cracks in fwd. slab header.

Approach

Approach Wearing Surface

No issues.

Approach Slab

Sealed and unsealed longitudinal cracks, EB lanes rear and fwd.

Approach Embankment

Inspector Comments - General Appraisal

Superstructure

Beams/Girders

Diaphragm/X-Frames

Protective Coating System

A588 weathered steel, PCS at the beam ends. Beam 6, span 2 and close to splice plate, appears to be an

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area of flaking rust.

Utilities

Lights attached to pier.

Substructure

Abutment Walls

HL vertical cracks in both abutments, some sealed.

Pier Caps

Hole unfilled from form work.

Pier Columns

Wingwalls

Slope Protection

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

Scour Critical

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Bridge Inspection Report

Pictures