

Inspector: Krazl, David
Inspection Date: 12/12/2022

Structure Number: 0901816
Facility Carried: SR 129

Bridge Inspection Report

Ohio Bridge Inspection Summary Report

BUT-00129-2561C (0901816)

2: District 43050 - LIBERTY TWP (BUT county)
District 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

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

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

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	

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

Inspections	
90: Routine Insp.	Months 12 12/12/2022
92A: FCM Insp.	N
92B: Dive Insp.	N 0
92C: Special Insp.	
92D: UBIT Insp.	N 0
92E: Drone Insp.	N 0

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704: Analysis Date	08/03/2020	Inspector	Krazl,David
63: Analysis Method	F - Assigned rating based on Load and Resistance Factor Design (LRFD) reported by Rating Factor (RF) using 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
CS-2, 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.	24310	2	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.	41031	0	0	0
A588 weathered steel, PCS at the beam ends							
205-Reinforced Concrete Column	3 - Mod.	9	each	9	0	0	0
215-Reinforced Concrete Abutment	3 - Mod.	253	ft.	253	0	0	0
234-Reinforced Concrete Pier Cap	3 - Mod.	132	ft.	132	0	0	0
300-Strip Seal Expansion Joint	3 - Mod.	247	ft.	247	0	0	0
310-Elastomeric Bearing	3 - Mod.	27	each	27	0	0	0
321-Reinforced Concrete Approach Slab	3 - Mod.	2880	sq. ft.	2880	0	0	0
331-Reinforced Concrete Bridge Railing	3 - Mod.	608	ft.	608	0	0	0
Few minor scrapes from construction.							
815-Drainage	3 - Mod.	2	each	2	0	0	0
830-Abutment Backwall	3 - Mod.	253	ft.	253	0	0	0

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ODOT District: District 08

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Date Built: 11/25/2022

Major Maint: 02 - County Highway Agency

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Traffic On: 1 - Highway

Rehab Date:

Routine Maint: 01 - State Highway Agency

Feature Inters: RP F;RP J;HOSPITAL DR

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

Insp. 01 - State Highway Agency

FIPS Code: 43050 - LIBERTY TWP (BUT county)

Location: DISTRICT 08

0.14 MI W COX RD

Insp

Resp B:

Inspector

Krazl,David

Inspection Date

12/12/2022

Reviewer

Collett,Brandon

Inspector Comments - Deck and Approach

Deck

Floor/Slab

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

Edge of Floor/Slab

Bridge Wearing Surface

Few small gouges in wearing surface, westbound outside lane.

Bridge Railing

Few minor scrapes from construction.

Deck Drainage

Approach

Approach Wearing Surface

Approach Slab

Approach Embankment

Inspector Comments - General Appraisal

Superstructure

Beams/Girders

Diaphragm/X-Frames

Protective Coating System

A588 weathered steel, PCS at the beam ends

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Utilities

Substructure

Abutment Walls

Pier Caps

Pier Columns

Wingwalls

Slope Protection

Culvert

Inspector Comments - Waterway

Waterway Adequacy

Channel

Scour Critical

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Pictures