

Inspector: Lentz,Stephanie

Inspection Date: 06/13/2023

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 087: 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

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Appraisal		422: WS Date	11/25/2022
Sufficiency Rating	97.8 SD/FO 0 - ND	423: WS Thick (in)	1.0
36: Rail, Tr, Gd, Term Std	1 1 1 1	482: Protective Coating	
72: Approach Alignment	9 - Superior to present desirable criteria	483: PCS Date	11/25/2022
113: Scour Critical	N - Not over waterway	453: Bearing Type 1	C - Elastomeric (laminated)
71: Waterway Adequacy	N - Not Applicable	455: Bearing Type 2	

Geometric		Age and Service	
48: Max Span Length (ft)	155.4	27: Year Built/ 106 Rehab	2022 / 0000
49: Structure Length (ft)	311.0	42A: Service On	1 - Highway
52: Deck Width, Out-To-Out (ft)	79.6	42B: Service Under	1 - Highway, with or w/out pedestrian
424: Deck Area (sf)	24755.6	28A: Lanes on	04
32: Appr Roadway Width (ft)	73.3	28B: Lanes Under	04
51: Road Width, Curb-Curb (ft)	73.5	19: Bypass Length	01
50A: Curb/SW Width: Left (ft)	0	29: ADT	12910
50A: Curb/SW Width: Right (ft)	0	109: % Trucks (%)	1
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		Inspections	
41: Op/Post/Closed	A - Open	90: Routine Insp.	12 Months 06/13/2023
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	08/03/2020	92E: Drone Insp.	N 0
63: Analysis Method	F - Assigned rating based on Load and Resistance Factor Design (LRFD) reported by Rating Factor (RF) using	Inspector	Lentz,Stephanie

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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
215-Reinforced Concrete Abutment	3 - Mod.	253	ft.	247	6	0	0
	CS2: HL vertical cracks in both abutments one with efflor. in fwd. abutment.						
234-Reinforced Concrete Pier Cap	3 - Mod.	132	ft.	131	1	0	0
	CS2: Hole from form work left unfilled.						
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.						
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

BUT-00129-2561C _(0901816)

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 A:
Resp B:

Inspector

Lentz,Stephanie

Inspection Date 06/13/2023

Reviewer Collett,Brandon

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