

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 Distr 43050 - LIBERTY TWP (BUT county) ict 08	5A: Inventory Route 1 00129
21: Major Maint A/B 02 - County Highway Agency /02	7: Facility On SR 129
225 Routine Main A/B 01 - State Highway Agency /	6: Feature Ints RP F;RP J;HOSPITAL DR
221 Inspection A/B 01 - State Highway Agency /	9: Location 0.14 MI W COX RD
220: Inv. Location DISTRICT 08	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	N- Not Applicable	

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	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	
				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				Age and Service	
48: Max Span Length (ft)	155.4			27: Year Built/ 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	05/28/2024
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 Krazl,David	

Inspector: Krazl,David
Inspection Date: 05/28/2024
HL93 loadings

Structure Number: 0901816
Facility Carried: SR 129

Inspector: Krazl,David
Inspection Date: 05/28/2024

Structure Number: 0901816
Facility Carried: SR 129

	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

Inspector:	Krahl,David	Structure Number:	0901816
Inspection Date:	05/28/2024	Facility Carried:	SR 129
BUT-00129-2561C _ (0901816)			
ODOT District:	District 08	Date Built:	11/25/2022
Major Maint:	02 - County Highway Agency	Facility Carried:	SR 129
Routine Maint:	01 - State Highway Agency	Feature Inters:	RP F;RP J;HOSPITAL DR
FIPS Code:	43050 - LIBERTY TWP (BUT county)	Location:	DISTRICT 08
		Traffic On:	1 - Highway
		Traffic Under:	1 - Highway, with or w/out pedestrian
			0.14 MI W COX RD
Inspector	Krahl,David	Inspection Date	05/28/2024
		Reviewer	Meyer,Jeff

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

Inspector: Krazl,David
Inspection Date: 05/28/2024

Structure Number: 0901816
Facility Carried: SR 129

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

Inspector: David Kral

Inspection Date: 05/28/2024

Structure Number: 0901816

Facility Carried: SR 129

Bridge Inspection Report

Pictures