

Inspector: Schmidt,Eric  
Inspection Date: 05/13/2025

Structure Number: 0901816  
Facility Carried: SR 129

## Ohio Bridge Inspection Summary Report

**BUT-00129-2561C (0901816)**

B.L.04: District District 0843050 - LIBERTY TWP (BUT county)  
B.CL.02: Major Maint 02 - County Highway Agency /02  
225 Routine Main A/B 01 - State Highway Agency /  
221 Inspection A/B 01 - State Highway Agency /

5A: Inventory Route 1 00129  
7: Facility On SR 129  
6: Feature Ints RP F;RP J;HOSPITAL DR  
9: Location 0.14 MI W COX RD  
Lat, Lon 39.373361 , -84.362811

<b>Condition</b>		<b>Structure Type</b>	
<b>B.C.01: Deck</b>	<b>8</b>	43: Bridge Type	4 - Steel continuous 02 - Stringer/Multi-beam or Girder N- Not Applicable
58.01: Wearing Surface	7	45: Spans Main / Approach	2 / 0
<b>B.C.08: Joint</b>	<b>9</b>	107: Deck Type	1 - Concrete Cast-in-Place
<b>B.C.02: Superstructure</b>	<b>9</b>	408: Composite Deck	Y - Composite Construction
59.01: Paint & PCS	9	414A Joint Type 1	8 - Elastomeric Strip Seal
<b>B.C.03: Substructure</b>	<b>9</b>	414B: Joint Type 2	
<b>B.C.09: Channel</b>	<b>N</b>	108A: Wearing Surface	1 - Monolithic Concrete (concurrently placed with structural deck)
<b>B.C.11: Scour</b>	<b>N</b>	422: WS Date	N - Not Applicable
<b>B.C.10: Channel Prot.</b>	<b>N</b>	423: WS Thick (in)	1.0
<b>B.C.05: Bridge Railing</b>	<b>8</b>	482: Protective Coating	
<b>B.C.06: Transitions</b>	<b>8</b>	483: PCS Date	11/25/2022
<b>B.C.07: Bearings</b>	<b>8</b>	453: Bearing Type 1	C - Elastomeric (laminated)
<b>B.C.04: Culverts</b>	<b>N</b>	455: Bearing Type 2	
<b>Ohio GA</b>	<b>9</b>	528: Foundn: Abut Fwd	3 - Drilled Shafts

<b>Appraisal</b>		<b>Geometric</b>	
B.AP.03: Scour Vul.	Not over Waterway	533: Foundn: Abut Rear	3 - Drilled Shafts
48: Max Span Length (ft)	155.4	536: Foundn: Pier 1	3 - Drilled Shafts
49: Structure Length (ft)	311.0	539: Foundn: Pier 2	
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	19: Bypass Length	01
54B: Min Vert Underclearance (ft)	16.33	29: ADT	12910
336A: Min Vert Clrnce IR Cardinal (ft)	99	109: % Trucks (%)	1
336B: Min V Clr IR Non-Cardinal (ft)	99		
578: Culvert Length (ft)	0		

<b>Load Posting</b>		<i>Months</i>
41: Op/Post/Closed	A - Open	12 05/13/2025
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 HL93 loadings	

B.IE.03 Routine Insp. 12 05/13/2025  
B.IE.03: NSTM Insp. N 0  
B.IE.03: UW Insp. N 0  
B.IE.03: Special Insp.  
UBIT Insp. N 0  
Drone Insp. N 0

Inspector Schmidt,Eric

Inspector: Schmidt,Eric  
Inspection Date: 05/13/2025

Structure Number: 0901816  
Facility Carried: SR 129

	Environment	Total Quantity	Units	Condition State 1	Condition State 2	Condition State 3	Condition State 4
<b>12-Reinforced Concrete Deck</b>	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.	23852	460	0	0
	CS2, Few small gouges in wearing surface, westbound outside lane. 6 agg pop outs in EB right lane. Transverse cracks at 1' to 4' spacing on WB.						
<b>107-Steel Open Girder/Beam</b>	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.						
<b>205-Reinforced Concrete Column</b>	3 - Mod.	9	each	9	0	0	0
521-Concrete Protective Coating		3052	sq. ft.	3052	0	0	0
<b>215-Reinforced Concrete Abutment</b>	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
<b>234-Reinforced Concrete Pier Cap</b>	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
<b>300-Strip Seal Joint</b>	3 - Mod.	159	ft.	124	35	0	0
	CS2: Some debris in glands. Sealed cracks in fwd. header.						
<b>310-Elastomeric Bearing</b>	3 - Mod.	27	each	27	0	0	0
<b>321-Reinforced Concrete Approach Slab</b>	3 - Mod.	2880	sq. ft.	2670	210	0	0
	CS2: Sealed and unsealed longitudinal cracks in EB slab lanes. Diagonal cracking at FWD and rear.						
<b>331-Reinforced Concrete Bridge Railing</b>	3 - Mod.	608	ft.	608	0	0	0
	Few minor scrapes from construction.						
521-Concrete Protective Coating		4864	sq. ft.	4864	0	0	0
<b>815-Drainage</b>	3 - Mod.	2	each	2	0	0	0
<b>830-Abutment Backwall</b>	3 - Mod.	253	ft.	253	0	0	0
521-Concrete Protective Coating		1012	sq. ft.	1012	0	0	0

<b>Inspector:</b> Schmidt,Eric	<b>Structure Number:</b> 0901816
<b>Inspection Date:</b> 05/13/2025	<b>Facility Carried:</b> SR 129
<b>BUT-00129-2561C _ (0901816)</b>	
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)	Traffic On: 1 - Highway
	Traffic Under: 1 - Highway, with or w/out pedestrian
	Location: DISTRICT 08 0.14 MI W COX RD
Inspector Schmidt,Eric	Inspection Date 05/13/2025
	Reviewer Collett,Brandon

### Inspector Comments - Deck and Approach

#### Deck, Wearing Surface, Joints, Railing

##### **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. Diagonal cracking at FWD and rear.

##### **Approach Slab**

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

##### **Approach Embankment**

### Inspector Comments - General Appraisal

#### Superstructure, Bearings

##### **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:** Schmidt,Eric

**Structure Number:** 0901816

**Inspection Date:** 05/13/2025

**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**

### **Channel Protection**

### **Channel**

### **Scour**

**Inspector:** Eric Schmidt

**Inspection Date:** 05/13/2025

**Structure Number:** 0901816

**Facility Carried:** SR 129

**Bridge Inspection Report**

**Pictures**